

# *Curriculum Vitae & Publication List*

Jürgen Kriwet

Univ.-Prof., Dr. rer. nat., Dipl.-Geol.

## **Office Address**

University of Vienna  
Faculty of Earth Science, Geography and Astronomy  
Department of Palaeontology  
Josef-Holaubek-Platz 2  
1090 Vienna, Austria  
Tel: +43-1-4277 / 535 20  
Mobile: +43 43 6648175776  
e-mail: [juergen.kriwet@univie.ac.at](mailto:juergen.kriwet@univie.ac.at)  
<http://www.evomorg.org>  
<https://palaeontologie.univie.ac.at/>

## **Personal Details**

- |                   |                              |
|-------------------|------------------------------|
| • Date of Birth:  | 6 <sup>th</sup> August, 1967 |
| • Place of Birth: | Landsberg a. Lech, Germany   |
| • Nationality:    | German                       |
| • Status:         | Married                      |

## **University Education**

- 16.12.2009: Venia legendi ('Habilitation') in Palaeobiology, Free University of Berlin, Germany  
*Thesis title:* Taxonomic diversity, interrelationships, origin and evolutionary trends of modern type sharks and rays (Chondrichthyes, Neoselachii): The Mesozoic Perspective. – 800 pp. [unpublished]
- 09.07.2001: Dissertation in Biology, Humboldt University Berlin  
*Title of PhD thesis:* A comprehensive study of pycnodont fishes (Neopterygii, Pycnodontiformes) – Morphology, Taxonomy, Functional Morphology, Phylogeny, and Palaeobiogeography. – 580 pp. Supervisor: Prof. Dr. Hans-Peter Schultze
- Sept. 1989 – Sept. 1995: Diploma studies, Geology and Palaeontology, Department of Earth Sciences, Free University of Berlin, Germany  
*Title of palaeontological diploma thesis:* Elasmobranchian remains (Chondrichthyes: Hybodontida, Neoselachii) from the Lower Cretaceous (lower Barremian) of Galve and Alcaine (Provinz of Teruel, NE Spain). – 161 pp. + 8 plates. Supervisor: Prof. Dr. Bernard Krebs [in German; unpublished]

*Title of geological diploma thesis:* Geology of the southern part of the Island of Alonnisos (Northern Sporades, Greece). – 57 pp. + 1 geological map (1:10.000). Supervisor: Prof. Dr. Volker Jacobshagen [in German; unpublished]

## Professional Experience

- since Sept. 2010: Full Professor (Univ.-Prof.), Chair of Palaeobiology with special focus on Vertebrate Palaeontology
- Feb. 2016 – Feb. 2020: Accreditation for „Cooperation Organisation for Vocational Education, Training and the Labour Market (SBB)“, dual Dutch University System
- Jan. 2009 – Sept. 2010: Research Associate at Department of Earth Sciences, University of Bristol, United Kingdom
- Oct. 2008 – Sept. 2010: Curator and Head of Section, Cenozoic Amphibians and Reptiles and Researcher, Staatliches Museum für Naturkunde Stuttgart, Germany
- Dec. 2005 – Aug. 2008: Curator, Fossil Fishes, Museum of Natural History, Berlin, Germany
- Apr. 2004 – Apr. 2005: Scientific Consultant, DinoPark Fürth, Germany
- Feb. 2004 – Nov. 2005: Post-doctoral fellow, DFG, Faculty of Geosciences, LMU Munich, Germany
- Jan. 2004: Visiting Fellow, Museum of Natural History Berlin, Section Palaeontology, Germany
- Oct. 2003 – Dec. 2003: Guest-lecturer, Research Fellow, Department of Earth Sciences, University of Bristol, United Kingdom
- Oct. 2001 – Sept. 2003: Post-doctoral Fellow, Department of Earth Sciences, University of Bristol, EU Marie Curie program, United Kingdom
- Feb. 2001 – Jul. 2001: Exhibitions Department of the Museum of Natural History, Humboldt-University Berlin: development of concept for exhibition on UNESCO World Heritage site “Messel” and guided tours for school classes
- Oct. 1998 – Jan. 2001: Research Fellow (PhD-student), Humboldt-University of Berlin, Germany
- Oct. 1996 – Oct. 1998: Research Fellow (DFG), Museum of Natural History, Humboldt-University Berlin, Germany
- Aug. 1995 – Sept. 1996: Research assistant, Department of Earth Sciences, FU-Berlin, Germany (Prof. Dr. H. Keupp)
- Sept. 1989 – Sept. 1990: Voluntary Service in the geological and palaeontological collection of the “Stadtmuseum Berlin-Charlottenburg”, Berlin, Germany: Development of collection and exhibition concepts, administrative duties, maintaining collections

## **Leadership and Administrative Experience**

### **ACADEMIC LEADERSHIP**

#### **Deputy Head of Department of Palaeontology (since Oct. 2018)**

#### **Head of Department of Palaeontology (Oct. 2016 – Oct. 2018)**

Duties included line management of 45 permanent and temporary academic and 10 support staff of the Department of Palaeontology, budget responsibilities, responsibility for delivery of BSc and MSc programs in Palaeontology and Palaeobiology as well as increasing research activities and postgraduate numbers.

#### **Vice Dean of the Faculty (FGGA) (Oct. 2011 – Oct. 2016)**

Main responsibilities were all infrastructure agendas (organization and strategic construction planning of laboratories and offices, car pool management, etc.). Additional duties included line management of academic and technical support staff, budget planning, IT coordination.

#### **Head of Department of Palaeontology (January 2011 – October 2011)**

Duties included line management of 27 permanent and temporary academic and nine support staff of the Department of Palaeontology, budget responsibilities, responsibility for delivery of BSc and MSc programs in Palaeontology and Palaeobiology as well as increasing research activities and postgraduate numbers.

### **FACILITY LEADERSHIP**

#### **Head of *Micro-CT Facility* (since March 2011)**

Duties include management of staff and budget planning.

#### **Coordinator of Faculty Collections (since December 2010)**

Strategic planning and development of faculty collections

#### **Head of *3D Imaging Facility* (since December 2010)**

Duties include management of staff and budget planning.

#### **Head of *SEM Facilities* (January 2011 – January 2022)**

Duties included management of staff and budget planning.

### **COMMITTEE SERVICES**

#### **Department:**

- Member, Search Commission for tenure-track faculty position “Palaeobotany” (January 2017 – June 2018)
- Chairman, Search Commission for the professorship “Palaeoecosystems” (January – December 2012)

#### **Faculty of Geosciences, Geography and Astronomy:**

- Member of “Study Conference SPL28” (since June 2018)
- Member (substitute) of the “Faculty Conference” (since April 2018)
- Member, Doctoral Advisory Board “Earth” (since Oct. 2016)

- Member of Curricular Working Group “Extension Curriculum Earth Sciences” (Dec. 2015 – June 2016)
- Member of the “Faculty Conference” (Nov. 2010 – Oct. 2017)
- Representative, “Sponsion” and Promotion Ceremony (since Nov. 2010)  
“Promotor”: 11.11.2010; Acting Dean: 19.04.2012; Acting Dean: 16.11.2012
- Respondent, Curricular Working-groups (since Sept. 2013)
- Member, Dissertation Advisory Board (Oct. 2011 – Oct. 2013)
- Internal reviewer, Search Commission for the professorship “Geoecology” (May 2013)
- Member of Curricular Working-Group “Extension Earth Sciences” (since Dec. 2015)

**Faculty of Life Sciences:**

- Deputy Speaker PhD School “Ecology and Evolution (since Oct. 2020)

**University:**

- Member of Managing Board of Research Network ‘Human Evolution and Archaeological Sciences (HEAS)’ (since 09.2021)
- Member of the Steering Committee of the “Doctoral School of Ecology and Evolution” (since 05.2019)
- Member of “IT Advisory Board” (since May 2013)
- Contact Person for “Facility and Resource Management” (since July 2013)
- Member of the “Audit Implementation Group” (Sept. 2014 – June 2015)

**External:**

- Member of Evaluation Panel of the *Czech Academy of Sciences* (CAS) evaluating the Institute of Animal Physiology and Genetics (period 2020–2024) (01.04.2025 – 06.02.2026).
- Member of Evaluation Panel of the *Czech Academy of Sciences* (CAS) (Phases II) for panel Earth and related environmental sciences (31.01. - 14.05.2021; on-site visit (online): 15. – 19.03.2021)
- Member of Evaluation Panel of the *Czech Academy of Sciences* (CAS) (Phases I: *Evaluation of research and professional activity of research-oriented institutes of the Czech Academy of Sciences for 2015–2019*) for panel Earth and related environmental sciences (01.04.2020-30.06.2020; appointed 26.11.2019)
- Member of PhD Board, Università degli Studi di Padova, Italy (since 06.02.2019)
- Member of Peer Review Panel of the *Czech Academy of Sciences* (CAS) (Phase I) for panel Earth and related environmental sciences (April – July 2015)
- Member of Peer Review Panel of the Belgian Federal Science Policy Office (BELSPO) for evaluating the *Royal Belgian Institute of Natural Sciences* (RBINS) (August 2014 – January 2015)

- Reviewer, Search Commission professorship “Palaeontology and stratigraphy of sedimentary resources” at the University of Freiberg, Germany (July 2013)
- Panel Member of D-TAF (Synthesys) (Jan. – Dec. 2011)

### **SERVICES FOR RESEARCH COUNCILS**

- Referee for German Research Council (DFG), Synthesys, National Science Foundation (NSF), Schweizer Nationalfonds (SNSF), Paleontological Society International Research Program.

### **SERVICES FOR LEARNED SOCIETIES**

- Member of “NOBIS Austria” price committee 2015
- Secretary of “Paläontologische Gesellschaft” (October 2005 – October 2009)

### **EDITORIAL AND ADVISORY BOARD SERVICES**

#### *Current:*

- Associate Member Swiss *Journal of Palaeontology* (since Nov. 2024)
- Editor *Palaeontology* and Papers in *Palaeontology* (since April 2024)
- Editorial Board Member of *Biology Letters* (since January 2023)
- Advisory Board Member *Cretaceous Research* (since July 2014)
- Editorial Board Member *Palaeodiversity* (since October 2010)
- Associate Editor *Paläontologische Zeitschrift* (since October 2008)

#### *Past:*

- Editorial Board Member *Palaeodiversity* (Oct. 2010 – Nov. 2024)
- Editorial Board Member of Fossils (MDPI) (March 2023 – Nov. 2024)
- Associate Editor of *Diversity* (MDPI) (October 2019 – Nov. 2024)
- Editorial Board Member of *Scientific Reports* (July 2022 – Nov. 2024)
- Academic Editor *PLoS One* (August 2018 – April 2024)
- Associate Editor *Journal of Vertebrate Paleontology* (May 2016 – March 2024)
- Associate Editor of *Frontiers in Earth Sciences: Palaeontology* (August 2022 – January 2024)
- Review Editor of *Frontiers in Ecology and Evolution: Palaeontology* (September 2013 – January 2024)
- Editorial Board Member of *Zitteliana* (May 2005 – Dec. 2020)

### **REFEREE FOR SCIENTIFIC JOURNALS AND BOOKS**

- Regular reviewer for Scientific Journals (ca. 30 – 40 reviews/year) from different disciplines (Biology, Zoology, Palaeontology) including top leading

journals such as Nature, Science, Science Advances, Scientific Reports, PNAS, Current Biology, and others.

- Reviewer for Special Volumes: Mesozoic Fishes 3 [eds Arratia, G. & Tintori, A.; 2004]; Recent Advances in the Origin and Early Radiation of Vertebrates [eds ARRATIA, G., CLOUTIER, R. & WILSON, M.V.H.; 2004]; Mesozoic Fishes 4 [eds ARRATIA, G. & SCHULTZE, H.-P. & WILSON, M.V.H.; 2008]; Arthur Smith Woodward: His Life and Influence on Modern Vertebrate Palaeontology [eds JOHANSON, Z., BARRETT, P.M., RICHTER, M. & SMITH, M.; 2016]; Mesozoic Biotas of Scandinavia and its Arctic Territories, Geological Society of Sweden [eds KEAR, B.P., LINDGREN, J., HURUM, J.H., MILÀN, J. AND VAJDA; 2016]; Proceedings of the Third Georges Cuvier Symposium [ed. E. BUFFETAUT; 2016]; Evolution and Development of Fishes [eds JOHANSON, Z., UNDERWOOD, C., RICHTER, M.; 2019]

#### REFEREE FOR PROMOTION AND TENURE

##### PhD commissions, external

- 01.2022 A. ASSEMAT. Organisation trophique des écosystèmes marins, que peut nous apprendre l'étude des vertébrés fossiles. – École doctorale GAIA Institut des Sciences de l'Evolution de Montpellier, Université de Montpellier, France.
- 04.2021 F. BERIO. Multiscale variation of 3D tooth forms in selachians and developmental and evolutionary inferences: Odyssey of a scyliorhinid tooth. – Ecole doctorale N° 341: Evolution, Ecosystèmes, Microbiologie, Modélisation, Université de Lyon, France.
- 10.2020 E. MANZANARES UBEDA. *Chondrichthyans from the Spanish Triassic (westernmost Tethys) with remarks on the evolution of chondrichthyan enameloid*. – Programa de doctorado de Biodiversidad y Biología Evolutiva, Universidad de València.
- 10.2014 A. LYNGHAMMAR. *Chondrichthyan fishes in the Arctic Ocean and adjacent seas - do we know our species?* Faculty of Biosciences, Fisheries and Economics Department of Arctic and Marine Biology, Arctic University, Tromsø, Norway.
- 07.2013 R. CARLO. *Faunal changes across the Triassic/Jurassic boundary*. University of Zürich, Switzerland.
- 06.2013 M. LICHT. *Holocephali: their phylogeny and relationship to Elasmobranchii and Placodermi*. University of Freiberg, Germany.
- 03.2012 K. BASTL. *Ecomorphology of the European Hyaenodon*. University of Vienna, Austria. Head of commission.
- 12.2012 J. FISCHER. *Palaeoecology and migration behaviour of the Palaeozoic to Mesozoic freshwater sharks Lissodus and Orthacanthus using stable isotopes*. University of Freiberg, Germany.

- 02.2011 W. C. MELLO. *Relações filogenéticas dos tubarões-martelo (Elasmobranchii: Sphymidae), com ênfase em morfologia.* Universidade do Estado do Rio de Janeiro, Brazil.
- 11.2010 D. MARJANOVIC. *Phylogeny of the limbed vertebrates with special consideration of the origin of the modern amphibians.* University of Vienna, Austria. Head of commission.
- 06.2006 A. HERZOG: *The bony fish fauna from the Prosanto-Formation (Middle Triassic, GR) – Systematics, functional morphology and Palaeoecology.* University of Zürich, Switzerland.

Habilitation commission member

- 05.2016 A. LUKENEDER. University of Vienna, Austria.
- 11.2015 F. GRIMMSON. University of Vienna, Austria.
- 11.2006 G. CUNY. University of Lyon, France.

Referee for tenure evaluation (Associate Professor level)

- 2024 Dr. C.J. UNDERWOOD, Birbeck College, University of London, UK
- 2019 T.D. COOK, PhD. Behrend College, Pennsylvania State University, U.S.A.
- 2011 K. SHIMADA, PhD. DePaul University, Chicago, U.S.A.

## Research, Mobility and Infrastructure Grants

- 19.03.2024: Seed Grant of the Human Evolution and Archaeological Sciences (HEAS) Research Network, University of Vienna: “Testing minimally invasive aDNA extraction methods”. Collaboration partners: José-Miguel Tejero and Susanna Sawyer (HEAS members). Total: € 3,000.00
- 27.09.2021: Research grant of the Austrian Science Fund (FWF, P 35357) for 3 years: “Reassessment of Late Jurassic elasmobranch fishes of Europe” including consumables and salaries for a postgraduate student (A. Begat, MSc) and postdoc (Dr. E. Villalobos Segurra). Total: € 376,935.94. Start: 01.01.2022.
- 30.06.2020: Research grant of the Austrian Science Fund (FWF, P 33820) for 3 years: “Evolution and extinction risks of sharks, rays, and skates” including consumables and salaries for two postgraduate students (PhD students Julia Türtscher and Patrick L. Jambura). Total: € 299,282.43.
- 19.02.2020: Infrastructure grant of the University of Vienna: Raid6 server for data storage of micro-CT scans and X-rays (€ 33.480,00)
- 30.06.2019: Research grant of OeAD (Ernst-Mach Grant scheme) for 9 months: “The durophagous Cretaceous shark *Ptychodus* (Chondrichthyes, Elasmobranchii): Taxonomy, dental evolution and palaeobiological implications.” Start 01.09.2019. Scholarship for postgraduate student (PhD student Manuel Amadori, Univ. Padua, Italy. Total: € 9.500,00.

- 01.05.2019: Research grant of the National Secretariat for Science, Technology and Innovation Panama (SENACYT) for 3 years: “Cretaceous Fossil Record of Northern South American fishes (Actinopterygii) in Global context During the Oceanic Anoxic Events”. Start 01.09.2019. Including scholarship, health insurance, travel support for a postgraduate student (PhD student Carlos De Gracia). Total: € 70.000,00.
- 16.04.2019: Participation in Collaborative Research NSF grant (award number 1842049 for 3 years: “Integrating Eocene Shark Paleoecology and Climate Modelling to reveal Southern Ocean Circulation and Antarctic Glaciation”. PI Dr. Sora Kim (University of California). Total: \$297,395.00.
- 03.2018: Infrastructure grant of the University of Vienna: “3D Digital Microscope Keyence VHX-6000“. Total: € 95.676,00.
- 10.2017: Research grant of the Austrian Science Fund (FWF, M 2368 Meitner-Programm) for 2 years: “Eocene cartilaginous fishes of the Bolca lagerstätte, Italy”. Including salary and consumables for post-doc student (Dr. G. Marramà). Total: € 153.340,00.
- 03.2017: Infrastructure grant of the University of Vienna: “Zeiss Stereomikroskop SteREO Discovery.V20“ for 3D Imaging Lab extension. Total: € 55.277,64.
- 10.2016: Infrastructure grant of the Faculty of Earth Sciences, Geography and Astronomy (Univ. Vienna): “Outfit of PhD offices”. Total: € 2.541,00.
- 10.2016: Research grant of the Austrian Science Fund (FWF, P26465) for 3 years: “Success and extinction of pycnodontiform fishes”. Including consumables and salaries for a postgraduate student (PhD student John J. Cawley) and an assistant student (36 months). Total: € 236.886,96.
- 08.2016: Ernst Mach Grant for 9 months: “Sharks (Chondrichthyes, Elasmobranchii) from the Eocene of the Monte Bolca Konservat-Lagerstätte, Italy” Including scholarship for postdoctoral student (Dr. G. Marramà). Total: € 9.360,00.
- 05.2016: Research grant of the National Commission for Scientific and Technological Research Chile (CONICYT) for 4 years: “Miocene Moalsse and Paratethys Chondrichthyans in the global context”. Including scholarship and health insurance for a postgraduate student (PhD student: Jaime Andres Villafañ Navea). Total: € 80.000,00.
- 03.2016: Infrastructure grant of the University of Vienna: “3D Recon Lab” (2 highperformance computers and Amira software package licences). Total: € 33.480,00.
- 10.2015: Infrastructure grant of the Faculty of Earth Sciences, Geography and Astronomy (Univ. Vienna): “Special Accuracy Weighting Machine (Feinwaage)”. Total: € 28.894,20.

- 04.2015: Research grant of SHARKPROJECT Austria for MSc project entitled “Past and present diversity patterns of chondrichthyans of the Kvarner Bay, Croatia” Total: € 2.500,00 EUR.
- 10.2014: Infrastructure grant of the Faculty of Earth Sciences, Geography and Astronomy (Univ. Vienna): “Extension of fish tank facility”. Total: € 8.000,00.
- 12.2013: Research grant of the Austrian Science Fund (FWF, P26465) for 3 years: “Evolutionäre Dynamik eozäner Knorpelfische der Antarktis”. Including consumables and salaries for a postgraduate student (PhD, 36 months) and an assistant student (36 months). Total: € 187.404,00.
- 03.2013: Infrastructure grant of the University of Vienna: “Equipment upgrade for micro-CT and Keyence 3D-microscope”. Total: € 10.000,00.
- 12.2009: Two years extension of research grant of “Deutsche Forschungsgemeinschaft (DFG)” project DFG KR 2307/3-2 (ended 31.12.2011)
- 12.2009: Two years extension of research grant of “Deutsche Forschungsgemeinschaft (DFG)” project KR 2307/7-1 (ended 28.02.2013)
- 12.2008: One year extension of research grant for the project “Evolution and adaptive radiation of dog-fish sharks” (DFG KR 2307/4-2). Including consumables (12 000 EUR) and salaries for a postgraduate student (PhD, 12 months) and an assistant student (12 months).
- 01.2008: Research grant of the German Scientific Foundation (DFG, KR 7/1): “Evolution and systematic position of „*Carcharodon*“ *megalodon* and the origin of the extant “Great White” *Carcharodon carcharias*”. Total: € 15.000,00.
- 12.2007: Research grant of the German Scientific Foundation (DFG, KR 2307/3-2): “Environmental controls and distribution of Late Jurassic neoselachians from the Iberian Basin (NE Spain) in the European context”. Including consumables and salaries for a postgraduate student (PhD, 12 months) and an assistant student (9 months).
- 10.2006: Research grant of the German Scientific Foundation (DFG, KR 2307/4-1): “Evolution and adaptive radiation of dog-fish sharks (Chondrichthyes, Squaliformes)”. Including consumables (€ 37.000,00) and salaries for a postgraduate student (PhD, 24 months) and an assistant student (18 month).
- 07.2005: SYNTHESYS grant, Natural History Museum London, UK.
- 06.2005: Research grant of the German Research Foundation (DFG, KR 2307/3-1): “Environmental controls and distribution of Late Jurassic neoselachians from the Iberian Basin (NE Spain) in the European context”. Including consumables and salaries for a postgraduate student (PhD, 24 months) and two assistant students (18 months).
- 11.2005: Travel grant of the DFG to Denver, U.S.A. (Meeting of the SVP).

- 07.2004: Guest lecturer mobility grant, University of Zaragoza (ERASMUS Sokrates), 8 weeks.
- 02.2004: Research grant of the German Scientific Foundation (DFG, KR 2307/1-1): "Mesozoic neoselachians (Chondrichthyes, Elasmobranchii): Patterns of phylogeny, biogeography, and diversity in a changing world". Including consumables and salary for JK (Postdoc, 24 months).
- 06.2022: DAAD-DST - India-Germany Joint Research Collaboration: "Late Cretaceous fishes of India". Travel support and consumables for JK (Postdoc, 12 month). Total: € 6.646,00
- 10.2001: Marie Curie Fellowship Association (EU): "Evolution and extinction of post-Jurassic Antarctic ichthyofaunas", Earth Sciences Department, University of Bristol (UK). Including consumables and salary for JK (Postdoc, 24 months).
- 04.1993: Student fellowship of ERASMUS/LINGUA program for 6 months, University of Patras, Greece.

## Awards and Recognitions

- 08/2022: *Nominated and invited to become full member of Sigma Xi – The Scientific Research Honor Society* in recognition of scholarly achievements and contributions to the advancement of knowledge.
- 03.2018: *Recognized Reviewer* status awarded by *Cretaceous Research*.
- 06.2017: *Outstanding Reviewer* status awarded by *Cretaceous Research* (among top 10th percentile in terms of number of reviews completed for *Cretaceous Research* in the years 2015 – 2016).
- 12.2016: *Outstanding Reviewer* status awarded by *Palaeogeography, Palaeoclimatology, Palaeoecology* (among top 10th percentile in terms of number of reviews completed for *Palaeogeography, Palaeoclimatology, Palaeoecology* in the years 2015 – 2016).
- 04.2015: *Outstanding Reviewer Status* awarded by *Cretaceous Research* (among top 10th percentile in terms of number of reviews completed for *Cretaceous Research* in the years 2014 – 2015).
- 08.2006: Award for poster presented at 76th Annual Meeting of the Paläontologische Gesellschaft in Kiel (Germany).
- 09.2005: Award for poster presented at 75th Annual Meeting of the Paläontologische Gesellschaft in Graz (Austria).
- 09.2005: Award for poster presented at 75th Annual Meeting of the Paläontologische Gesellschaft in Göttingen (Germany).

## Awards for Supervised Projects

- 03/2025: *Bernhard Rensch-Price* of the Gesellschaft für Biologische Systematik to Patrick L. Jambura for best PhD thesis 2024 (€ 1.500,00)
- 07/2024: *Emil-Boral-Scholarship* of the University of Vienna to Patrick L. Jambura for best PhD study 2024 (€ 25.000,00)
- 06/2024: Déperet Price of the Association Paléontologique Française (APF) to Arnaud Begat for best PhD talk at annual conference in Montauban (France), entitled “L’assemblage d’élasmobranches de Mahlstetten (Offshore, Kimméridgien): nouvelles perspectives sur la distribution paléoenvironnementale des élasmobranches”
- 03/2024: *Erich Thenius Scholarship* of the Academy of Sciences for best PhD thesis 2023 of Manuel Amadori (€ 4.000,00)
- 02/2024: *Hans-und-Lotte-Hass-Meeresschutzpreis* for master project of Pia Balàka (€ 6.000,00)

## Academic / Professional Societies

- Sigma Xi - The Scientific Research Honor Society
- Society of Vertebrate Paleontology
- German Palaeontological Society
- Österreichische Paläontologische Gesellschaft
- Network of Biological Systematics Austria (NOBIS)
- Verein Haus des Meeres - Wissenschaft und Forschung

## Public Relations and Media

For detailed list see also [www.evomorg.org/content/press.html](http://www.evomorg.org/content/press.html).

- 2006 – 2018: Frequent interviews for printed, TV and radio media and articles in online press media (e.g., Financial Times, n-tv, Phoenix, SAT1, MDR, BR2, BR3, FM4, various online media)
- Research conducted in our lab was highlighted in 101 print, radio and TV media since 2007.

## Current Working Group

### Post-docs, Senior Research Fellow, Research Associated

- Dr. Eduardo Villalobos-Segura: Assistant Professor
- Dr. C. PFAFF: Research Scientist & Head of micro-CT lab.
- Dr. Sebastian Stumpf: Senior Research Fellow

- Dr. M. AMADORI: Research Associate
- Dr. J. J. CAWLEY: Research Associate
- Dr. P.L. JAMBURA: Research Associate
- Dr. J. TÜRTSCHER: Research Associate

### PhD students

- A. BEGAT: Reassessment of Late Jurassic elasmobranch fishes of Europe (FWF)
- P. ETZLER: Palaeoparasitological studies of vertebrate coprolites
- C. KLIMPFINGER: Evolutionary and diversity patterns of deep-sea cartilaginous fishes (Chondrichthyes, Elasmobranchii)
- M. STAGGL: Drivers of elasmobranch diversity in deep time (Praedoc-Assistant)
- K. STROBEN: Evolutionary history of squaliform sharks (Chondrichthyes, Squalomorphii)

### MSc students

- F.-S. FÜBY: New insights into the Late Cretaceous nodosaurid dinosaur fossil record.
- K. HOLZINGER: A short-snouted crocodyliform from the Late Cretaceous Gosau Fm. of Austria.
- A. JELINEK: Evolutionary ecology of the lower jaw in Feliformia (Mammalia, Laurasiatheria).
- J. LEIMHOFER: Of bones and fossils: Reconstructing Cretaceous archosaurs.
- M. LEONARDELLI: The impact of missing characters on phylogenetic analyses: Systematic position and intrarelationships of therizinosaurid dinosaurs.
- H. MICHALSKI: Revision of Late Jurassic heterodontiform sharks (Chondrichthyes, Elasmobranchii).
- S. PHILIPP: Middle Jurassic (Callovian) freshwater chondrichthyans of Kyrgyzstan.
- R. PICHLER: Locomotion patterns in the epaulette shark, *Hemiscyllium ocellatum* (Elasmobranchii, Orectolobiformes).
- Z. RAJNAI: Revision of the stem group elasmobranch †*Synechodus rhaeticus*, and its implications for the genus.
- G. WILHELM: Drivers and sustainers of dinosaur geographic partitioning.

### BSc students

- H. BAUER: Fish remains (Chondrichthyes, Actinopterygii) from the Aquitanian of the Central Paratethys.
- I. FUCHSBAUER: The remains of the Miocene cetacean †*Pachyacanthus suessi* in the collection of the Department of Palaeontology at the University of Vienna.

- B. GRABENSTEINER: Taxonomic affinities of the hybodontiform shark-like chondrichthyan *Hybodus delabechei* from the 'Lower Lias' of Lyme Regis, UK.
- V. LAGLER: Taxonomic diversity of Middle Miocene requiem sharks (Chondrichthyes, Carcharhiniformes) from the Florida Platform.
- E. MARX: Morphology and Identity of two Eocene whales from Fayum, Egypt.
- REITHMAYER, D. Lemon sharks (Chondrichthyes, Carcharhiniformes) from the Middle Miocene of the Florida Platform.
- M. STEINBÖCK: The evolution and function of the velum in jawless fishes revisited.

## Director of Previous Students (chronological order)

### PhD Students (in chronological order)

14. P. JAMBURA: Evolutionary History and macroevolutionary dynamics in sharks and rays (Elasmobranchii) (University of Vienna, 14.10.2024)
13. J. TÜRTSCHER: Shaping sharks and rays: taxonomic inferences of morphology and morphometry on elasmobranch fishes (University of Vienna, 14.10.2024)
12. C. DE GRACIA: Evolutionary affinities among fossil and living billfishes (Istiophoriformes: Istiophoridae) (University of Vienna, 14.03.2024).
11. M. AMADORI: Palaeobiology and Taxonomy of the extinct elasmobranch shark, †*Ptychodus* (Vertebrata, Chondrichthyes) (University of Vienna, 05.2022).
10. F.A. LÓPEZ ROMERO: Morphological evolution of elasmobranchs: Quantitative approaches from ontogeny to ecomorphological signals among clades (University of Vienna, 07.2022).
9. J.A. VILLAFAÑA NAVEA: Insights into Cenozoic fishes (Chondrichthyes, Teleostei) from South America and Europe (University of Vienna, 04.2022)
8. J.J. CAWLEY: New perspectives on pycnodont fishes (Neopterygii, Pycnodontiformes) concerning evolutionary success, niche partitioning, extinction and taxonomy (University of Vienna, 10.2021)
7. J. AMALFITANO: Late Cretaceous chondrichthyans and palaeoenvironments of northern Italy (Univ. Padua, co-supervisor) (University of Padua, Italy, 2019).
6. A. ENGELBRECHT: Evolution and diversification of post-Cretaceous Antarctic fishes (University of Vienna, 01.2018)
5. C. ROMANO: Evolutionary dynamics of Permian–Triassic fishes and early Triassic seawater temperature changes (University of Zürich, 2013, co-supervisor).
4. J. FISCHER: Thema: Palaeoecology and migration behaviour of the Palaeozoic to Mesozoic freshwater sharks *Lissodus* and *Orthacanthus* using stable isotopes (Technical University Freiberg, 2012; co-supervisor).
3. M. LICHT: Ontogeny and evolution of holocephalians (Chondrichthyes) (Technical University Freiberg, 2013; co-supervisor).

2. N. STRAUBE: Deep Divergence: Phylogeny and Age Estimates of Deep-water Chondrichthyes (Ludwig-Maximilians-University of Munich, 2011).
1. S. KLUG: Morphology and systematics of synchodontiform sharks (Chondrichthyes, Elasmobranchii), with comments on the origin and early evolution of neoselachians (Free University of Berlin, 2009).

### **MSc / Diploma Students (in chronological order)**

53. A.-S. HAWRANEK: Comparative morphology of pectoral spines in *Corydoradinae* (Siluriformes: Callichthyidae) (University of Vienna, 2024)
52. P. ETZLER: Diversity patterns of Jurassic to Cretaceous dinosaurs of Europe (University of Vienna, 2023).
51. J. JACKWERTH: Osteologic morphology of the Malabar pufferfish (*Carinotetraodon travancoricus* Hora & Nair, 1941), and implications on its taxonomic position (University of Vienna, 2023).
50. L. MATHIASHTZ: Comparative morphology and histology of chondrichthyan egg cases (University of Vienna, 2023).
49. F. SCHLÄFFER: Growth patterns and ontogeny of Late Cretaceous dinosaurs from Austria (University of Vienna, 2023).
48. G. GORCZYŃSKI: Fossil record of Antarctica teleostean fishes and the origin of ice-fishes (University of Vienna, 2022).
47. P. PRÜB: Ecology and phylogeny of carnivores (Mammalia, Carnivora) represented in the inner ear (University of Vienna, 2022).
46. M. STAGGL: Cranial development of bamboo sharks (Elasmobranchii, Hemiscylliidae) (University of Vienna, 2022).
45. K. STROBEN: A closer look at the tooth morphology of Sleeper Sharks (Squaliformes: Somniosidae) and its impact as an identification character (University of Vienna, 2022).
44. S.A.L. PHILIPP: Dental Patterns and jaw morphology of the Campanian ornithischian rhabdodontid dinosaur *Mochlodon suessi* (University of Vienna, 2021).
43. M. WIDMANN: Colour change in Lethrinidae (Actinopterygii, Perciformes) and insights into ecology (University of Vienna, 2021).
42. P. ABDALLA: The effect of ecology and phylogeny on the skull shape of extinct crocodylians (Crocodyliformes, Archosauria) as indicated by morphometric analyses (University of Vienna, 2020).
41. P. STÜBER: Relationships between caudal fin shape and ecomorphology in sharks (University of Vienna, 2020).
40. F. WEGAN: Biomechanics of the shoulder and pectoral muscle during gliding flight in *Anhanguera piscator* (Archosauria, Pterosauria) from the Lower Cretaceous of Brazil (University of Vienna, 2020).

39. A. BEGAT: Late Cretaceous elasmobranchs (sharks and rays) from the Austral Basin of Patagonia, South America (Université de Bourgogne, Dijon, France, 2019)
38. J. TÜRTSCHER: Tooth replacement and histology patterns in orectolobiform and tiger sharks (Chondrichthyes, Elasmobranchii) (University of Vienna, 2019).
37. A. SCHIPANY: Sharks and rays of the Kvarner Bay (Croatia): Past and recent diversity patterns (financial support by Sharkproject Austria) (University of Vienna, 2018).
36. I. FUCHS: New off-shore sharks (Chondrichthyes, Elasmobranchii) from the Early Cretaceous of Austria (University of Vienna, 2017).
35. P. JAMBURA: Tooth replacement and histology patterns in carcharhiniform sharks (Chondrichthyes, Elasmobranchii) (University of Vienna, 2017).
34. F. SCHULT: Variation in Miocene freshwater fish populations (University of Vienna, 2017).
33. J. SCHWAB: Divergence and Disparity of the inner ear in canids through time (University of Vienna, 2017).
32. S. Czerny: Marsupial morphology of the inner and middle ear (University of Vienna, 2016[Diploma]).
31. C. EGGER: Shark embryo behaviour in response to electric and magnetic stimuli (University of Vienna, 2016).
30. N. GIERLINGER: The distribution and morphology of dermal and dental denticles in different stages of ontogeny in *Chiloscyllium* cf. *punctatum*, *Scyliorhinus canicula* and *Scyliorhinus retifer* (University of Vienna, 2016).
29. P. Wiesinger: Cranial anatomy of stomiid fishes (University of Vienna, 2016 [Diploma]).
28. K. Zraunig: Conservation and fishery impacts related to shark attacks on humans (University of Vienna, 2016 [Diploma]).
27. D. GRAU: Ontogeny of *Sciurus vulgaris* (University of Vienna, 2015).
26. K. FRITZ: Evolutionary development of jaws in basal gnathostomes (University of Vienna, 2015).
25. M. Herke: Comparative morphology and prey capture in pikes (*Esox* spp.) and gars (*Lepisosteus* spp.) (University of Vienna, 2015[Diploma]).
24. L. SCHNETZ: Cranial anatomy of the porbeagle shark (*Lamna nasus*) (University of Vienna, 2015).
23. A. ELSLER: A new specimen of *Othnielosaurus consors* and its phylogenetic position (University of Vienna, 2014).
22. J. HAPP: Morphology and systematic setting of Miocene birds from the Lavanttal, Austria (University of Vienna, 2014).
21. C. NEIDHART: Cranial characters of adult and embryonic electric rays (Chondrichthyes, Torpediniformes) and their bearing on individual development and their interrelationships (University of Vienna, 2014).

20. C. VEITSCHEGGER: The systematic position of the blue shark, *Prionace glauca*, revisited (University of Vienna, 2013).
19. S. JORDAN: Pre-natal electroreception in cat sharks, *Scyliorhinus* (Hohenheim University, Stuttgart, 2010).
18. H. MÈWIS: Diversity and fossil record of mackerel sharks (Elasmobranchii, Lamniformes) with special reference to Miocene lamniforms from Groß-Pampau (Schleswig-Holstein) (Free University of Berlin, 2008).
17. D. NIEWITZ: Early Cretaceous (Albian) selachians (Chondrichthyes, Neoselachii) from northern Germany (Free University of Berlin, 2010).
16. J. DUMMASCH: Systematic position of Late Jurassic batoids (Humboldt-University Berlin, 2009).
15. A. PIGOWSKA: Ecology and life history of modern neoselachians (Chondrichthyes, Elasmobranchii) using geochemical tracer analyses (Free University of Berlin, 2009).
14. R. STEPANEK: Anatomy of the freshwater stingray *Potamotrygon motoro* (Batoidea, Potamotrygonidae) (Free University of Berlin, 2009).
13. J. WALIGORA: Character interpretation in etmopterid deep-water sharks (Neoselachii, Squaliformes) (Humboldt-University Berlin, 2009).
12. B. STELBRINK: Phylogeography of modern angel sharks (Neoselachii: Squatinidae) using multiple molecular sequences (Humboldt-University Berlin, 2008).
11. A. O'CONNOR: Cope's Rule in galeomorph sharks (co-supervisor Prof. Dr. M.J. Benton) (University of Bristol, UK, 2007).
10. N. HOFFMANN: Fishes from the Upper Jurassic of Poland (University of Greifswald, Germany, 2006).
9. N. STRAUBE: Dental morphology and taxonomy of extant deep-water sharks of the genus *Etmopterus* (Ludwig-Maximilians-University of Munich, 2006).
8. S. JOOMUN: Feeding habits and trophic levels of Upper Jurassic fishes from South Germany (University of Bristol, UK, 2003).
7. C. LIPKIN: Biomechanics of the forelimbs of spinosaurid theropods (University of Bristol, UK, 2003).
6. L. NUNN: Mid-Cretaceous fish faunas of Aliaga, NE Spain (University of Bristol, UK, 2003).
5. M. RILEY: Lower Cretaceous fish remains (Chondrichthyes, Actinopterygii) of NE Spain (University of Bristol, UK, 2003).
4. J. RUFFLE: Taxonomy and Phylogeny of Priscacara (Teleostei: Perciformes) from the Eocene Green River Formation, U.S.A. (University of Bristol, UK, 2003).
3. M. WOODGER: Lower to Mid-Cretaceous ostracodes of NE Spain (University of Bristol, UK, 2003).

2. N. CARTWRIGHT: Cranial anatomy and phylogeny of *Saurichthys* (Actinopterygii, Saurichthiidae) (University of Bristol, UK, 2002).
1. E. WILLIAMS: Dental morphology and systematics of fossil squatinid selachians (Chondrichthyes, Neoselachii) (University of Bristol, UK, 2002).

## BSc Students

31. K. Bachler: Analysis of tooth morphologies and correlated abrasion patterns of *Struthiosaurus austriacus* Bunzel, 1871 and *Mochlodon suessi* (Bunzel, 1871) from the Gosau formation, Austria (University of Vienna, 2024).
30. D.P.H. Gritzer: A marine crocodilian bromalite from the Lower Jurassic Posidonia Shale of Schadelah, Germany (University of Vienna, 2024).
29. J. Holik: On the vertebral anatomy of the European Late Cretaceous ankylosaur, *Struthiosaurus austriacus* (University of Vienna, 2024).
28. S. Hübner: Head anatomy of the blue shark, *Prionace glauca* (Chondrichthyes, Carcharhiniformes) (University of Vienna, 2024).
27. H.K. Lüth. From research to public outreach: The lost world of the dinosaur *Struthiosaurus austriacus* (University of Vienna, 2024).
26. R.V. Bichler: Anatomy and functional morphology of the feeding apparatus of the hogfish, *Lachnolaimus maximus* (Neoteleostei, Labridae) (University of Vienna, 2023).
25. J. Leimhofer: The Late Jurassic pterosaurs of the Solnhofen Archipelago (University of Vienna, 2023).
24. M. Leonardelli: Musculotendinous system in a stem-group elasmobranch fish from the Upper Jurassic of the Solnhofen Archipelago (University of Vienna, 2023).
23. F.A. Novak: Resurrecting the dinosaur: New insights into the nodosaurid *Struthiosaurus austriacus* from the Upper Cretaceous of Austria (University of Vienna, 2023).
22. J. Madl: Fossil record and palaeodiversity of chamaeleonids (Reptilia, Squamata) (University of Vienna, 2023).
21. G. Wilhelm: South American fossil record of theropod and sauropod dinosaurs (University of Vienna, 2023).
20. P.F. Balàka: Updated Checklist of Chondrichthyan Species in the Croatian Sea (University of Vienna, 2022).
19. F.-S. Füby: Evolutionary trajectories in the ilium of sauropodomorph dinosaurs (University of Vienna, 2021).
18. E. Meneweger: Body size estimations of extinct sand tiger sharks, †*Striatolamia macrota*, from the Eocene of Antarctica (University of Vienna, 2021).
17. D. Offenberger: Dental morphologies and taxonomic identity of the prehistoric shark, “*Isurus*” *hastalis*. (University of Vienna, 2021).

16. M. Schwaiger: Morphological studies on teeth of freshwater stingrays (Chondrichthyes, Potamotrygoninae) (University of Vienna, 2021).
15. P. Etzler: Jurassic diversity patterns of carnivorous archosauromorphs (University of Vienna, 2019).
14. C. Janiczek: Phenotypic plasticity in the vertebral column of a Miocene freshwater fish (University of Vienna, 2019).
13. P. Abdalla: Revision of Late Cretaceous crocodiles (Tetrapoda, Crocodyliformes) of Austria (University of Vienna, 2018).
12. F. de Rossi: Reconstruction of the Austrian nodosaurid dinosaur, *Struthiosaurus austriacus* from the Late Cretaceous of Austria (University of Vienna, 2018).
11. A. Sistani: Taphonomy of bird remains from Pleistocene caves of Austria (University of Vienna, 2018).
10. F. Wegan: Late Cretaceous pterosaurs (Vertebrata, Reptilia) from Austria (University of Vienna, 2018).
9. M.E. van Andel: Mineralized inner ear structures in elasmobranch fishes. (student of "Helicon MBO", Apeldoorn, dual Dutch university system, 2017).
8. R. Caspers: Cranial morphology of placoderm fishes. (student of "Helicon MBO", Apeldoorn, dual Dutch university system) (University of Vienna, 2016).
7. T. Hazod: Teeth and rostral spines in the sclerorhynchid sawfish, *Libanopristis* (Chondrichthyes, Elasmobranchii) (University of Vienna, 2016).
6. J. van der Waal: Miocene bird remains from Austria (student of "Helicon MBO", Apeldoorn, dual Dutch university system, 2016).
5. Fuchs: Palaeoecology and distribution of early Miocene elasmobranchs (Chondrichthyes, Neoselachii) from Austria (University of Vienna, 2015).
4. G. Kaineder: Less for Success Reduced Ossification in the dentary bone of notothenioids (Teleostei, Perciformes) (University of Vienna, 2015).
3. J. Schwab: Palaeoecology and distribution of middle Miocene elasmobranchs (Chondrichthyes, Neoselachii) from Austria (University of Vienna, 2015).
2. L. Clara: Palaeoecology and sedimentology of the fossil locality of Hipples, Lower Austria (in German) (University of Vienna, 2014).
1. L. Baumann: Spontaneous calcification of vertebrate collagen provides new insights into the appearance of skeletons in early vertebrates (University of Vienna, 2012).

## Conferences and Symposia

### Conference and Symposium Organizations

- 2nd International Electronic Conference on Diversity (IECD 2022), Online (March 15-31, 2022 [Event Committee]).
- 92<sup>nd</sup> Annual Meeting of the Palaeontological Society, Vienna (Oct. 2021). Co-organizers: S. Stumpf, C. Pfaff, P.L. Jambura, J. Türtscher, J. Wukovits.
- “Pre” – International Conference for Archaeozoology, Fish Remains Working Group, Online (23.08.2021). Co-organizers: A. Galik, G. Haidvogel, G.K. Kunst, A. Pircher.
- 46. Treffen des Arbeitskreises Wirbeltierpaläontologie in der Paläontologischen Gesellschaft, Vienna, (May 2019). Co-organizers: S. Stumpf, C.Pfaff.
- Symposium “Fossil fishes in the context of evolution, environments and biogeography”, 90th Annual Meeting of the Paleontological Society (Paläontologische Gesellschaft) (Sept. 2019).
- Symposium18 - Functional morphology of the cranium in vertebrates, 5<sup>th</sup> International Paleontological Congress, Paris, France (July 2018). Co-organizer: C. Pfaff.
- 19. Jahrestagung Gesellschaft für Biologische Systematik, Vienna, Austria (February 2018). Co-organizers: C. Pfaff, D. Zimmermann.
- 6th International Meeting on Mesozoic Fishes, Vienna, Austria (August 2013). Co-organizer: C. Pfaff.
- 82nd Annual Meeting of the Paläontologische Gesellschaft, Vienna, Austria (Sept. 2011)
- Assistant in the organisation of the IGCP 406 Treffens (Circum-Arctic Palaeozoic Vertebrates: Biological and Geological Significance). Organizers Dr. G. Arratia und Dr. H.-P. Schultze. Buckow, Germany. July 1997.
- Assistant in the organisation of the II. International Meeting on Mesozoic Fishes. Organizers Dr. G. Arratia und Dr. H.-P. Schultze. Buckow, Germany. July 1997.
- Assistant in the organisation of the 5th Meeting of the German Ostracodologists. Organizers K. Kussius and K. Oppermann. Berlin, Germany. May 1999.

### Member of Scientific Conference Committees

- “5th Palaeontological Virtual Congress”, March 2025
- “4<sup>th</sup> Palaeontological Virtual Congress”, May 2023
- “3<sup>rd</sup> Palaeontological Virtual Congress”, Dec. 2021
- “2nd Palaeontological Virtual Congress”, May 2020
- “13th Symposium on Mesozoic Terrestrial Ecosystems and Biota (MTE13)”, July 2018

## Conference Presentations

### 2025

- 5th Palaeontological Virtual Congress (March 2025).

Talk New records of deep-sea elasmobranchs from the central Paratethys (upper Egerian) of Austria (Co-authors: Baur, H. (presenter), Feichtinger, I.).

### 2024

- 68th Annual Meeting of the Palaeontological Association (Erlangen, Germany)

Talk Unravelling ancient sharks and rays: Phylogenetic insights into the Late Jurassic and Early Cretaceous neoselachians (Co-authors: Villalobos Segura (presenter), E., Stumpf, S., Amadori, M., Begat, A., Jambura, P.L., Türtscher, J.).

Talk Born for greatness: On the origin and body size evolution of lamniform sharks (Chondrichthyes; Elasmobranchii). (Co-authors: Jambura, P.L. (presenter), Türtscher, J., Villalobos Segura, E., Staggl, M.A., Lauer, R., Lauer, B., Shimada, K., Naylor, G.J.P., Underwood, C.J., Duffin, C.J., Ward, D.).

Talk From peak to decline: The story of Cenozoic neoselachian diversity. (Co-authors: Staggl, M.A. (presenter), Villalobos Segura, E., Benton, M.J.).

Poster New insights into the taxonomy, morphology and phylogeny of Late Jurassic rays (Chondrichthyes: Batomorphii). (Co-authors: Türtscher, J. (presenter), Jambura, P.L., Villalobos-Segura, E., López-Romero, F.A., Underwood, C.J., Spindler, F., Thies, D., Lauer, B., Lauer, R.).

- 95th PalGes in Warsaw – Joint Meeting of the Polish Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges) (Sept. 2024)

Talk On body size, tooth variation and possible ontogenetic dietary shifts in the shell-crusher shark *Ptychodus* Agassiz, 1834 (Co-authors: Amadori, M. (presenter), Amalfitano, J., Giusberti, L., Fornaciari, E., Jambura, P.L., Japundžić, S.).

Talk The Middle Jurassic assemblage of la Voulte Sur-Rhône Lagerstätte (SE France): A new Jurassic deep-sea shark paleodiversity (Begat, A. (presenter), Villalobos Segura, E., Amadori, Riou, B.).

Talk A tale of two trends: Disentangling the drivers of neoselachian diversity and faunal composition in the Cenozoic (Co-authors: Staggl, M.A.(presenter), Villalobos Segura, E., Benton, M.J.).

Talk On the discovery of a unique hybodontiform skeleton from the Late Jurassic of France (Co-authors: Stumpf, S. (presenter), Picot, L., Cuny, G.).

Talk Revising the systematic position of the enigmatic shark-like chondrichthyan *Homalodontus aplopagus* from the Lower Triassic of

- Canada (Co-authors: Villalobos Segura, E. (presenter), Stumpf, S., Amadori, M., Jambura, P.L., Türtscher, J.).
- Poster The cold case of *Hybodus delabechei* (Chondrichthyes; Hybodontiformes) from the “Lower Lias” of Lyme Regis, UK (Co-authors: Grabensteiner, B. (presenter), Stumpf, S.).
- Poster Dental variation in sleeper sharks (Squaliformes: Somniosidae) and its implications for taxonomic identification (Co-authors: Stroben, K.J. (presenter), Türtscher, J., Jambura, P.L.).
- III Congreso Chileno de Paleontología (Copiapó, Chile) (Sept. 2024)
    - Talk Thermal niche evolution of the Great White Shark (*Carcharodon carcharias*) from the Pliocene to the present based on a species distribution modeling approach (Co-authors: Villafañá, J.A. (presenter), Nielsen, S., Chávez Hofmeister, M.F., Lara, C., Rivadeneira, M.M.).
  - Congres APF 2024, Montauban, France (June 2024)
    - Talk L’assemblage d’élasmobranches de Mahladden (Offshore, Kimméridgien): Nouvelles perspectives sur la distribution paléoenvironnementale des élasmobranches. Congres APF 2024 (Montauban, France) (Co-authors: Begat, A. (presenter), Villalobos Segura, E., Amadori, M. López Romero, F.A., Klug, S.).
  - The 175th anniversary of the Maastrichtian Stage (Maastricht, Netherlands),
    - Talk Long-bone histology of the Late Cretaceous island-dwelling ankylosaurian dinosaur *Struthiosaurus austriacus* Bunzel, 1871 (Co-authors: Teschner, E.M. (presenter), Kettler, C., Stumpf, S.).
  - GSA Connects 2024 Meeting in Anaheim, California (Sept. 2024)
    - Talk Investigating habitat use of sharks and their relatives in Seymour Island, Antarctica, Across the Eocene Epoch (Co-authors: Larocca Conte, G. (presenter), Liao, A., Mörs, T., Trayler, R.B., Aleksinski, A., Ivany, L.C., Huber, M., Sora, K.L.).
  - Paleodays XXIV edition, Pisa, Italy (June 2024)
    - Talk Habitat availability and environmental correlates drive Mesozoic neoselachian diversification: a multi-variate approach (Co-authors: Staggl, M.A. (presenter), De Gracia, C., López Romero, F., Stumpf, S., Villalobos Segura, E., Benton, M.J.).
    - Talk Reassessment of the “Sea God” shark *Phorcynis catulina* from the Upper Jurassic of Europe (Co-authors: Amadori, M. (presenter), Villalobos-Segura, E., Begat, A., Jambura, P.L., Türtscher, J., Stumpf, S.).

## 2023

- 94<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Jena, Germany (Sept. 2023).

Talk The Phylogeny of Rays and Skates (Chondrichthyes: Elasmobranchii) Based on Morphological Characters Revisited (Co-authors: Villalobos-Segura, E. (presenter), Marramà, G., Carnevale, G., Claeson, K.M., Underwood, C.J., Naylor, G.J.P.).

Poster: Resurrection of the European Late Cretaceous ankylosaur, *Struthiosaurus austriacus* Bunzel, 1871 (Co-authors: Stumpf, S. (presenter), Schläffer, F., Novak, F.A., Villalobos-Segura, E., Kettler, C.).

- 7<sup>th</sup> European Congress of Ichthyology, Prague (Sept. 2023).

Talk The systematic position of the Jurassic shark †*Palidiplospinax*(Neoselachii; Palaeospinacidae) revisited (Co-authors: Amadori, M. (presenter), Villalobos-Segura, E., Stumpf, S.).

Talk Reassessment of Late Jurassic elasmobranch fishes. (Co-authors: Villalobos-Segura (presenter), Stumpf, S., Begat, A.).

Poster: Diversification Patterns of Jurassic-Cretaceous Elasmobranch Fishes (Vertebrata, Chondrichthyes) (Co-authors: Staggl, M.A. (presenter), Stumpf, S., De Gracia, C., Villalobos-Segura, E., López-Romero, F.A., Benton, M.J.).

- 8<sup>th</sup> International Meeting on Mesozoic fishes and aquatic tetrapods, Stuttgart, Germany (July. 2023).

Talk Are there any catsharks in the Jurassic? (Co-authors: Stumpf, S. (presenter), Türtscher, J., López-Romero, F.A., Jambura, P.L., Villalobos-Segura).

Talk Reassessment of Late Jurassic elasmobranch fishes. (Co-authors: Villalobos-Segura (presenter), Stumpf, S., Begat, A.).

- 4<sup>th</sup> Palaeontological Virtual Congress

Talk Labial cartilages in sharks – Varieties and Functions (Co-author: Klimpfinger, C., presenter).

- 4. OSCS-ORL Spring Course, Salzburg (March 2023)

Talk Der Hals der Giraffe: Was Lamarck und Darwin nicht wussten. Die Evolution des Halses aus evolutionpaläobiologischer Sicht (invited speaker).

## 2022

- The 2nd International Electronic Conference on Diversity (IECD 2022) - New Insights into the Biodiversity of Plants, Animals and Microbes, Online (March 2022)

Talk Early diversity patterns of elasmobranch fishes (sharks, rays): A deep time perspective (invited speaker).

- 8e Rencontres de l'Ichthyologie en France, Paris, France (March 2022).

- Talk New insights into the evolution of billfishes (Teleostei, Istiophoridae) (Co-author: De Gracia, C., presenter).
- Talk Elasmobranch fishes from the Cenomanian (Late Cretaceous) of Patagonia, Argentina display an impressive palaeodiversity in high latitude deposits. (Co-authors: Begat Arnaud (presenter), Gelfo, J.N., Goin, F.J., Gouiric Cavalli, S., Schultz, J.A., Martin, T.)

## 2021

- 92<sup>nd</sup> Annual Meeting of the Paläontologische Gesellschaft, Vienna, Austria (Sept./Oct. 2021)
  - Talk Elasmobranch fishes from the cenomanian (Late Cretaceous) of Patagonia, Argentina display an impressive palaeodiversity in high latitude deposits. (Co-authors: Begat, A. (presenter), Goin, F.J., Gelfo, J.N., Gouiric-Cavalli, S., Schultze, J.A., Martin, T.).
  - Talk Comparative morphology between extinct and extant forms provides evidence for earlier radiation in istiophorid billfishes (Teleostei, Istiophoriformes). (Co-authors: De Gracia, C. (presenter), Rodriguez, F., Aguilera, O., Jaramillo, C.).
  - Talk Living on the edge – diversity patterns of hybodontiform shark-like hondrichthyans prior to the biotic turnover at the Jurassic–Cretaceous transition. (Co-authors: Stumpf, S. (presenter), Underwood, C.J., Cuny, G.).
  - Talk Unravelling the biology of the nodosaurid dinosaur *Struthiosaurus austriacus* from the Late Cretaceous of Austria. (Co-authors: Schade, M. (presenter), Stumpf, S., Kettler, C., Pfaff, C.).
- 26. Jahrestagungen der Österreichischen Paläontologischen Gesellschaft, Haus der Natur, Salzburg (Sep. 2021)
  - Talk A lucky find – 325-millionyear-old teeth represents the oldest sharks of Austria. (Co-authors: I. Feichtinger (presenter), A. O. Ivanov, V. Winkler, C. Dojen, R. Kindlimann, G. Schraut, S. Stumpf).
- XXI Edizione delle Giornate di Paleontologia, Bologna, Italy (June 2021)
  - Talk Diversity, palaeoecology and palaeoenvironmental significance of the Eocene chondrichthyan assemblages of the Bolca Lagerstätte, Italy. (Co-authors: G. Marramà (presenter), Giorgio Carnevale).

## 2019

- 79<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Brisbane, Australia (Oct. 2019)
  - Talk Investigation of the evolutionary success and extinction of pycnodont fishes using quantitative methods. (Co-authors: J.J. Cawley (presenter), G. Marramà, G. Carnevale.)
- 3rd International Workshop on the Toarcian Oceanic Anoxic Event, Erlangen, Germany (Sept. 2019)

- Talk On the diversity of Early Jurassic cartilaginous fishes across the Toarcian Oceanic Anoxic Event (Co-authors: S. Stumpf (presenter) & F.A. López-Romero)
- 90th Annual Meeting of the Paleontological Society (Paläontologische Gesellschaft) (Sept. 2019)
    - Talk Success and demise of pycnodont fishes (Neopterygii, †Pycnodontiformes) (Co-authors: G. Marramà, G. Carnevale & J.J. Cawley).
    - Talk A new Eocene batoid fish (Elasmobranchii, Myliobatiformes) from Monte Bolca (Italy) reveals an extinct body plan for stingrays (Co-authors: G. Marramà (presenter), G. Carnevale, L. Giusberti & G.J.P. Naylor).
    - Talk Of teeth and spines: The riddle of *Strophodus'* (Hybodontiformes, Chondrichthyes) validity (Co-authors: S. Stumpf (presenter), F. López-Romero & R. Kindlimann).
  - 12th International Congress of Vertebrate Morphology (ICVM), Prague, Czech Republic (July 2019)
    - Talk Drivers of taxonomic and functional diversity in extinct non-teleostean neopterygians (Osteichthyes, Actinopterygii) (Co-authors: G. Marramà, G. Carnevale & J.J. Cawley)
    - Talk Evolutionary trends and the phylogenetic relevance of tooth mineralization patterns in sharks (Chondrichthyes; Elasmobranchii) (Co-authors: P.L. Jambura (presenter), J. Türtscher, R. Kindlimann, G. Marramà, B. Metscher, Pfaff, C., S. Stumpf, C.J. Underwood & D.J. Ward).
    - Talk An Eocene myliobatiform (Chondrichthyes, Elasmobranchii) from Monte Bolca (Italy) defines a new, basal body plan for pelagic stingrays (Co-authors: G. Marramà (presenter), G. Carnevale & G.J.P. Naylor).
    - Talk Never change a winning team: the Jurassic skeletal fossil record of †Hybodontiformes reveals new insights into taxonomic diversity and ecomorphological disparity of Mesozoic (Co-authors: S. Stumpf (presenter), F. López-Romero & R. Kindlimann).
    - Talk The origin and evolution of the tiger shark genus *Galeocerdo* (Elasmobranchii, Carcharhiniformes) revisited (Co-authors: J. Türtscher (presenter), P.L. Jambura, G. Marramà & R. Kindlimann).
    - Poster Timing of jaw shape remodelling during development in bamboo shark and catshark (Chondrichthyes: Galeomorphii) to promote species-specific feeding mechanisms (Co-authors: F. López-Romero (presenter) & D. Abed-Navandi).
  - Comparative Cartilage Biology Conference – Integrating Biomaterials - Biomedicine – EvoDevo of Cartilage, Banyuls sur Mer, France (June 2019)

Talk Timing of jaw shape remodeling in sharks development to establish species-specific feeding mechanisms (Co-authors: F. López-Romero (presenter) & D. Abed-Navandi).

### 2018

• 22<sup>nd</sup> Annual European Elasmobranch Association Meeting, Peniche, Portugal (Oct. 2018)

Talk The potential fate of the thresher shark – a fossil tale of an alopiid-like shark. (Co-authors: P.L. Jambura (presenter), F.A. López-Romero, B. Pohl).

Talk The evolutionary history of the tiger shark, *Galeocerdo cuvier*. (Co-authors: J. Türtscher (presenter), P.L. Jambura, G. Marramà, R. Kindlimann).

• 5<sup>th</sup> International Paleontological Congress, Paris, France (July 2018)

Talk Fine-scale diversity analysis of Jurassic Chondrichthyes disproves competition between Jurassic elasmobranch and hybodontiform fishes. (Co-authors: S. Stumpf, presenter).

Talk Predicting competition between †Pycnodontiformes and Ginglymodi (Osteichthyes, Neopterygii) through geologic time based on quantitative analyses of lower jaw features. (Co-authors: G. Marramà, J.J. Cawley).

Talk Extinct and extant predators – hunting style reconstruction and phylogenetic distinction of carnivorans based on the vestibular system. (Co-authors: J. Schwab (presenter), C. Pfaff).

Talk Eocene isopods on electric rays: tracking ancient biological interactions in a complex fossil record. (Co-authors: N. Robin (presenter), G. Marramà, R. Vonk, G. Carnevale).

Talk The first unambiguous skeletal record for the skates (Batomorphii, Rajiformes) from the early Miocene of Upper Austria. (Co-authors: G. Marramà (presenter), O. Schultz).

Poster The youngest marine record of double-armoured herrings: an Eocene paraclupeid fish (Teleostei, Clupeomorpha, Ellimmichthyiformes) from Monte Bolca. (Co-authors: G. Carnevale (presenter), G. Marramà, A. Bannikov).

• XVII Edizione delle Giornate di Paleontologia, Trento e Predazzo, Italy (June 2018)

Talk A reappraisal of the northeastern Italy record of *Ptychodus* (Chondrichtyes, Elasmobranchii). (Co-authors: M. Amadori (presenter), J. Amalfitano, L. Giusberti, E. Fornaciari, G. Carnevale).

Talk Redescription of "*Rhinobatus*" *dezigni*, an Eocene guitarfish from the Bolca Konservat-Lagerstatte, Italy. (Co-authors: M. Varese (presenter), G. Marramà, G. Carnevale, L. Giusberti).

Poster Articulated tooth sets of *Ptychodus polygyrus* Agassiz from the Upper Cretaceous of northeastern Italy. (Co-authors: M. Amadori (presenter), J. Amalfitano, L. Giusberti, E. Fornaciari, G. Carnevale).  
Poster: A paraclupeid fish (Teleostei, Clupeomorpha, Ellimmichthyiformes) from the Eocene of Monte Bolca: the youngest marine record of double-armored herrings. (Co-authors: G. Carnevale (presenter), G. Marramá, A.F Bannikov).

•EURO EVO DEVO, Galway, Irleand (June 2018)

Talk Ontogenetic shape changes in the body and head of *Chlamydoselachus anguineus*. (Co-authors: F. López-Romero (presenter), C. Klüpfinger).  
Talk Evolutionary and developmental correlations between teeth and dermal denticles in jawed vertebrates (Gnathostomata). (Co-authors: N.S. Gierlinger, presenter).

•19. Jahrestagung Gesellschaft für Biologische Systematik (Feb. 2018)

Talk Pycnodonts: Could they be the true sister group to teleost fishes? (Co-authors: J.J. Cawley, presenter)  
Talk The phylogenetic relevance of the unique tooth histology in lamnid sharks (Elasmobranchii). (Co-authors: P.L. Jambura (presenter), C. Pfaff, J. Türtscher, C.J. Underwood, D. Ward).  
Talk Ontogenetic shape changes in the body and head of *Chlamydoselachus anguineus*. (Co-authors: F. López-Romero (presenter), C. Klüpfinger).  
Talk Diversity patterns of sharks and rays (Chondrichthyes, Elasmobranchii) in the Adriatic Sea off Croatia. (Co-authors: A. Schipany, presenter).  
Talk New information on the diversity of Early Jurassic neoselachian sharks and rays and implications for a post-Pliensbachian neoselachian distributional turnover. (Co-authors: S. Stumpf, presenter).  
Talk Using tooth histology to distinguish morphologically similar shark teeth. (Co-authors: J. Türtscher (presenter), C. Pfaff, P.L. Jambura).  
Talk Development and patterning of dermal and dental denticles in sharks and shark-related rays (Chondrichthyes, Elasmobranchii): ecological constraints, evolutionary patterns and ontogenetic trends clarifying denticle morphology. (Co-authors: N.S. Gierlinger (presenter), B. Metscher).  
Talk Body size estimation of great white shark (*Carcharodon carcharias*) from Pliocene to Recent in the pacific coast of South America. (Co-authors: J. Villafana (presenter), S. Hernandez, A. Alvarado, P. Oyamel-Urbina, C. Pimiento, M. Rivadeneira).

## 2017

- La primera Reunión de Paleontología de Vertebrados de Chile (Nov. 2017)
  - Key note (invited): Diversity and palaeobiogeographic patterns of Late Cretaceous-Palaeogene Gondwana chondrichthyans
  - Talk (invited): Drivers of post-Jurassic diversity dynamics of southern hemisphere elasmobranchs (Vertebrata, Chondrichthyes). (Co-authors: Mörs, T., Kiessling, W. & Engelbrecht, A.)
- Annual Scientific Conference of the European Elasmobranch Association, Amsterdam, The Netherlands (Sept. 2017)
  - Talk Lessons from the past: Diversity dynamics are linked to climate change in elasmobranchs (Vertebrata, Chondrichthyes) in deep-time. (Co-authors: Mörs, T., Reguero, M. A., Kiessling, W. & Engelbrecht, A.)
  - Poster Tooth mineralization and histology in the rare snaggletooth shark, *Hemipristis elongata* (Hemigaleidae; Carcarhiniformes) – evolutionary significance or an ecological adaption? (Co-authors: P. L. Jambura, Pfaff, C., Underwood, C. J., Ward, D. J.)
  - Poster Dental ontogeny of embryonic tiger sharks (*Galeocerdo cuvier*): a link between tooth development and ovoviparous reproduction. (Co-authors: Türtscher, J., Pfaff, C., Sato, K., Tomita, T. & Jambura, P. J.)
  - Poster Diversity patterns of sharks and rays (Chondrichthyes, Elasmobranchii) in the Adriatic Sea of Croatia. (Co-authors: Schipany, A.)
  - Poster On the occurrence of phosphatic otoliths in cartilaginous fishes (Chondrichthyes, Elasmobranchii). (Co-authors: Pfaff, C., Libowitzky, E., Johanson, Z., Stepanek, R.)
- 77<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Calgary, Canada (Aug. 2017)
  - Talk Diversity dynamics are linked to climate change in cartilaginous fishes (Chondrichthyes, Holocephali Elasmobranchii) from the Eocene of Antarctica. (Co-authors: Mörs, T., Reguero, M. A., Kiessling, W. & Engelbrecht, A.)
- 7<sup>th</sup> International Meeting on Mesozoic Fishes, Mahasarakham, Thailand (July-Aug. 2017)
  - Talk New information about Late Cretaceous pycnodont fishes (Actinopterygii, Pycnodontiformes) from the Near East (Co-author: J.J. Cawley)
  - Poster Possible sexual dimorphism in *Pankowskichthys libanicus* (Neopterygii, Pycnodontiformes) from the Cenomanian of Lebanon (Co-author: J.J. Cawley)
- 15<sup>th</sup> Annual Meeting of the European Association of Vertebrate Palaeontologists, Munich, Germany (Aug. 2017)

- Talk Dogs - Lifestyle Change from Arboreal to Terrestrial: 3D Reconstruction of the Bony Labyrinth. (Co-authors: Schwab, J. & Pfaff, C.)
- Poster The Evolutionary Significance of Phosphatic Otoliths in Cartilaginous Fishes (Chondrichthyes, Elasmobranchii). (Co-authors: Schnetz, L., Pfaff, C., Libowitzky, E. & Stepanek, R.)
- Poster Early Miocene Chondrichthyes from Chile: Paleobiogeographic and Ecological Implications. (Co-authored by Villafañá, J.A., Nielsen, S.N. & Klug, S.)

## 2016

- 87<sup>th</sup> Annual Meeting of the “Paläontologische Gesellschaft”, Dresden, Germany (Sept. 2016)

- Talk Evolution of feeding mechanisms in aquatic vertebrates revisited.
- Poster Big surprise: New information on diversity patterns of Eocene Antarctic chondrichthyes. (Co-authored by Engelbrecht, A., Mörs, T., & Reguero, M.)

- 9<sup>th</sup> Annual Meeting of NOBIS Austria – Biosystematics from Past to Present, Eggenburg, Austria (Nov. 2015)

- Poster Morphological convergences in the inner ear of marsupial Diprotodontia and placental mammals. (Co-authored by Baron, R. & Pfaff, C.).
- Poster: New information on Eocene Antarctic Chondrichthyan diversity (Co-authored by Engelbrecht, A., Mörs, Th., & Reguero, M.).
- Poster Ontogeny of the brown banded bamboo shark (*Chiloscyllium punctatum* Müller & Henle, 1838) and the development of jaws. (Co-authored by Fritz, K. & Abed-Navandi, D.).
- Poster Palaeoecology and diversity of Miocene sharks and rays (Chondrichthyes, Elasmobranchii) of the Paratethys. (Co-authored by Fuchs, I. & Schwab, J.).
- Poster Reduced ossification in the dentary bone of notothenioid ice-fishes (Teleostei: Perciformes). (Co-authored by Kaineder, G. & Pfaff, C.).

## 2015

- 75<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Dallas, U.S.A. (Oct. 2015)

- Talk Tooth-like structures on the rostrum of the Cretaceous batoid *Schizorhiza* (Co-authored by Underwood, C.J., Smith, M.M., Riley, A. & Fraser, G.).
- Poster Macroevolutionary patterns of the locomotor system in non-muraenoid eels (Teleostei: Elopomorpha). (Co-authored by Pfaff, C.).
- Poster Revision of Eocene Antarctic carpet sharks and ground sharks (Chondrichthyes, Orectolobiformes, Carcharhiniformes). (Co-authored by Engelbrecht, A., Mörs, T. & Reguero, M.).

## 2014

- 74<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Berlin, Germany. (Nov. 2014)
  - Poster Diversity of Eocene Antarctic sand tiger sharks (Chondrichthyes, Odontaspididae): Climatic controls or implications for nursery areas? (Co-authored by E. Engelbrecht, T. Mörs, M. Reguero)
- XXXIII SCAR Biennial Meeting including the Open Science Conference, Auckland, New Zealand (Aug. 2014)
  - Talk New information on diversity patterns of Eocene Antarctic sharks, skates and rays (Chondrichthyes, Elasmobranchii). (Co-authored by A. Engelbrecht, T. Mörs, C. Schwarz, M. Reguero)
  - Poster Origin of Antarctic ice-fishes (Teleostei, Notothenioidei): Current controversies and facts. (Co-authored by A. Engelbrecht, T. Mörs, C. Schwarz, M. Reguero)
- 40th Annual Meeting of the German working-group "Vertebrate Palaeontology", Laimering, Germany (March 2014)
  - Poster New information on the cranial anatomy of ice-fishes (Teleostei, Notothenioidei). (Co-authored by A. Engelbrecht, T. Mörs, M. Reguero, C. Schwarz)

## 2013

- 73st Annual Meeting of the Society of Vertebrate Paleontology, Los Angeles, U.S.A. (Oct./Nov. 2013)
  - Poster: Evolution of basal gnathostomes egg capsule morphotypes. (Co-authored by Fischer, J., Licht, M. Buchwitz, M. & Bartsch, P.).
- 10<sup>th</sup> Annual Meeting of the Gesellschaft für Ichthyologie (GfI), Bonn, Germany (September 2013)
  - Talk Testing the intra-relationships of carcharhinid sharks using CO1 and different analytical methods. (Co-authored by Veitschegger, K.).
  - Poster New information on the cranial anatomy of ice-fishes (Teleostei, Notothenioidei) from Antarctica based on micro-CT analyse. (Co-authored by Engelbrecht, A., Mörs, T., Schwarz, C. & Reguero, M.).
  - Poster New evidence for chondrichthyan polyphyly. (Co-authored by Licht, M., Bartsch, P., Fischer, J. & Schneider, J.).
- Joint conference of the “Paläontologische Gesellschaft” and the “Palaeontological Society of China” – Palaeobiology and Geobiology of Fossil Lagerstätten through Earth History, Göttingen, Germany (September 2013)
  - Talk Phylogenetic implications of tooth replacement patterns in stemgroup teleosts (Neopterygii). (Co-authored by Schwarz, C.).
  - Poster A revision of Eocene Antarctic fishes (Vertebrata: Neopterygii: Teleostei). (Co-authored by Engelbrecht, A., Mörs, T., Schwarz, C., Reguero, M. & Tambussi, C.).

- Poster Stratigraphic record, producer assignment and phylogeny of chondrichthyan egg capsule morphotypes (Co-authored by Fischer, J., Licht, M., Schneider, J.W., Buchwitz, M. & Kogan, I.).
- 6<sup>th</sup> International Meeting on Mesozoic Fishes; Vienna, Austria (August 2013)
    - Poster Dental patterns of basal hexanchoid sharks (Elasmobranchii, Hexanchiformes). (Co-authored by Klug, S.).
    - Poster Turonian pycnodontid fish (Neopterygii, Pycnodontiformes) from northern Germany. (Co-authored by Lehmann, J.).
    - Poster New information about the palaeobiology of †*Enchodus* sp. (Actinopterygii, Teleostei) from the Cenomanian of Lebanon. (Co-authored by Schwarz, C.).
  - 40<sup>th</sup> Annual Meeting of the German working-group "Vertebrate Palaeontology", Laimering, Germany (March 2013)
    - Talk Development of the Cranium of Chondrichthyan Fishes
  - BioSyste.EU 2013 Global systematics, Vienna, Austria (Feb. 2013)
    - Talk On the use of stem- and crown group concepts and the definition of Elasmobranchii and Neoselachii. (Co-authored by Klug, S.).
    - Poster Skeletal morphology and growth of freshwater stingray *Potamotrygon falkneri* (Chondrichthyes, Myliobatiformes) (Co-authored by Stepanek, R.).

## 2012

- 16<sup>th</sup> Annual Scientific Conference of the European Elasmobranch Association, Milan, Italy (Nov. 2012)
  - Poster Morphological description and comparison of a growth series of *Potamotrygon falkneri* from South America (Co-authored by R. Stepanek).
- 6<sup>th</sup> Annual Meeting of NOBIS Austria, Klagenfurt, Austria (Nov. 2012)
  - Poster Taxonomy and faunal relationships of Early Miocene neoselachians (Chondrichthyes, Elasmobranchii) of the western Paratethys. (Co-authored by Rauscher, K & Klug, S.).
  - Poster A simple method to preserve fish material over many decades if not centuries in finest overall quality. (Co-authored by Voigt, S. & Achterhold, K.).
- 83<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Berlin, Germany (Oct. 2012)
  - Talk Divergence estimates of major squalomorph clades (Chondrichthyes, Neoselachii) and their impact on phylogenetic hypotheses (Co-authored by S. Klug).
  - Talk Molecular Systematics of pupfishes (Cyprinodontiformes, Cyprinodon) from northern Mexico. (Given by S. Voigt; Co-authored by M. Schweizer, S. Hertwig).

- Poster First Miocene holomorphic stingray (Chondrichthyes, Myliobatiformes, Dasyatidae) from SE Asia (Co-authored by S Klug).
- Poster First chimaeroid, batoid and shark records (Chondrichthyes: Holocephali, Elasmobranchii) from the uppermost horizons (Late Eocene, Telms 6 and 7) of the La Meseta Formation, Seymour Island, Antarctica (Co-authored by A. Engelbrecht, T. Mörs, M. Reguero, C. Tambussi, R. Stepanek).
- Poster The significance of CO1 data in reconstructing interrelationships of carcharhinid sharks (Chondrichthyes, Carcarhiniformes) and the systematic position of the blue shark, *Prionace glauca* (Presented by K. Veitschegger).
- Poster Parallelism in cyprinodontid fishes (Teleostei, Cyprinodontiformes) from northern Mexico indicates rapid morphological evolution without genetic transformations (Presented by S. Voigt; Co-authored by M. Schweizer, S. Hertwig).
- Poster Finding localities of the Titassic "Lizard Fish" *Saurichthys* in Germany (Presented by J.W. Schneider; Co-authored by I. Kogan, J. Sell).
- 39<sup>th</sup> Annual Meeting of the German working-group "Vertebrate Palaeontology", Neustadt, Germany (March 2012)
  - 15<sup>th</sup> Annual Scientific Conference of the European Elasmobranch Association, Berlin, Germany (Oct. 2012)
    - Poster A review of the evolution of potamotrygonid freshwater stingrays (Chondrichthyes, Myliobatiformes) (Co-authored by R. Stepanek).

## 2011

- 71<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Las Vegas, U.S.A. (Oct. 2011)
  - Talk Origin and diversification of cods and allies (Teleostei, Gadiformes)
  - Poster Node age estimations and the origin of angel sharks, Squatiniformes (Neoselachii, Squalomorphii) (Co-authored by S. Klug).
- 82<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Vienna, Austria (Sept. 2011)
  - Poster First Mesozoic chimaeroid fish record (Holocephali, Chimaeriformes) from the Iberian Peninsula with comments on the Palaeoecology of *Ischyodus*.
  - Poster The Late Cretaceous deep-sea fish assemblage (Chondrichthyes, Actinopterygii) of the island of Timor, SE Asia. (Co-authored by S. Klug)
  - Poster The evolution of freshwater stingrays (Myliobatiformes, Potamotrygonidae) revisited. (Co-authored by R. Stepanek).

## 2010

- 81<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Munich, Germany (Sept. 2010)
  - Talk Of genes and fossils: Reconstructing adaptive processes in dog-fish sharks. (Co-authored by S. Klug, N. Straube and U. Schlieben)
  - Poster Sharks, rays and skates (Chondrichthyes, Neoselachii) from the Ottnangian of South Germany: Implications for neoselachian diversity of the Miocene Molasse Basin (co-authored by S. Schellhorn and N. Rueckert)
  - Poster Antiquity and origin of angel sharks (Chondrichthyes, Squatiniformes). (Co-authored by S. Klug)

## 2009

- 9<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Bonn, Germany (Oct. 2009)
  - Talk Dental patterns and tooth replacement in bony fishes
  - Poster Did men encounter the Megatooth shark? (Co-authored by S. Klug)
  - Poster Tooth replacement in pycnodontiforms (Actinopterygii, Neopterygii). (Co-authored by M. Licht)
- 69<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Bristol, United Kingdom (Sept. 2009)
  - Talk Node age estimates of angel and dogfish sharks (Chondrichthyes, Neoselachii) using constrained fossil data and molecular clocks for dating the origin of hypnosqualean and derived "orbitostylic" sharks, respectively. (Co-authored by S. Klug)
- 10<sup>th</sup> Mesozoic Terrestrial Ecosystems and Biota, Teruel, Spain (Sept. 2009)
  - Talk Environmental Distribution of selachians within the early Cretaceous of NE Spain. (Co-authored by S. Klug)
- 5<sup>th</sup> International Symposium on Lithographic Limestone and Plattenkalk, Basel, Switzerland (August 2009)
  - Talk A revision of Cow Sharks (Chondrichthyes, Hexanchiformes) from the Jurassic of Europe
- 12<sup>th</sup> Congress of the European Society for Evolutionary Biology, Torino, Italy (August 2009)
  - Poster Molecular Phylogeny and Node Age Estimation of Lantern Sharks (Elasmobranchii: Etmopteridae) (Co-authored by Straube, N., Iglesias, S.P., Sellos, D.Y. & Schlieben, U.)
- 37<sup>th</sup> Annual Meeting of the German working-group "Vertebrate Palaeontology", Vienna, Austria (March 2009)
  - Poster Fossil evidence for time node estimates of the origin and deep-water adaptation of dogfish sharks (Squaliformes). (Co-authored by S. Klug).

## 2008

- 78<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Erlangen (Sept. 2008)
  - Talk Permian vertebrate food web. (Co-authored by S. Klug (presenter), F. Witzmann & U.H.J. Heidke)
  - Talk A typical near-shore habitat of the Molasse Sea: Taxonomy and ecology of the lower Otnangian macrofauna from Gurlarn (Passau area, Lower Bavaria) (Co-authored by S. Schneider (presenter), B. Berning, M. A. Bitner, R.-P. Carriol, M. Jäger, A. Kroh & W. Werner)
  - Poster Skeletal remains of the Miocene lamniform shark, *Cosmopolitodus hastalis*, from Peru. (Co-authored by S. Klug)
  - Poster New information on Mio-Pliocene Peruvian vertebrate diversity. (Co-authored by S. Klug)
- 1<sup>st</sup> International Conference on Chondrichthyans – Evolution and Diversity of Chondrichthyans, Warsaw, Poland (Sept. 2008)
  - Talk A new species of extinct bullhead sharks, *Paracestracion viohli* sp. nov. (Neoselachii, Heterodontiformes), from the Upper Jurassic of South Germany
  - Poster Rare neoselachian remains (Chondrichthyes, Elasmobranchii) from the Oligocene of Bad Freienwalde (NE Germany). (Co-authored by K. Ermer)
  - Poster Elasmobranch remains from the Late Jurassic of NW Poland. (Co-authored by N. Hoffmann)
- 6<sup>th</sup> Conference of the German Society of Ichthyology (GFI), Munich, Germany (2008)
  - Talk Phylogeny and palaeobiology of dogfish sharks. (Co-authored by S. Klug)
  - Poster Confusion in the deep: Morphology and taxonomy of lantern sharks (Squaliformes, Etmopteridae). (Co-authored by N. Straube & U. Schliewen)

## 2007

- 11<sup>th</sup> Annual Meeting and Science Conference of the European Elasmobranch Association. Brest, France (Nov. 2007)
  - Poster First articulated skeleton of the extinct lamniform shark "*Isurus hastalis*". (Co-authored by S. Klug)
  - Poster Fossil record support molecular evidence of the systematic position of rays and skates. (Co-authored by J. Dummasch & S. Klug)
  - Poster Upper Jurassic neoselachians from Spain in the European context. (Co-authored by A. Pigowske & S. Klug)
  - Poster Males are different: Sexual dimorphism of upper teeth in two species of Lantern Sharks (Chondrichthyes: Etmopteridae). (Co-authored by N. Straube, U. Schliewen & S. Tanaka)
  - Poster Early ontogeny of the frilled shark, *Chlamydoselachus anguineus*, from Suruga Bay, Japan. (Co-authored by B. Stelbrink & S. Tanaka)

- 67<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Austin, Texas, U.S.A. (Oct. 2007)
  - Talk Direct evidence of predator-prey-resource interactions in a Permian aquatic ecosystem. (Co-authored by S. Klug & F. Witzmann)
  - Poster Chondrichthyans and actinopterygians across the K-Pg boundary in Patagonia, Argentina. (Co-authored by M. Aberhan, W. Kiessling, R. Scasso & F.A. Medina)
- 77<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Freiberg, Germany (Sept. 2007)
  - Poster A unique Late Burdigalian paleocommunity from the Upper Marine Molasse (Gurlarn near Passau) Macrobenthic invertebrate and fish fauna. (Co-authored by S. Schneider (presenter), B. Berning, M.A. Bitner, R.-P. Carriol, M. Jäger, A. Kroh, W. Werner)
- 34<sup>th</sup> Meeting of the German working-group "Vertebrate Palaeontology", Freiburg, Germany (March 2007)
  - Poster Diversity and geography patterns of Late Jurassic neoselachians. (Co-authored by S. Klug)

## 2006

- 66<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Ottawa, Canada (Oct. 2006)
  - Poster Diversity and biogeography patterns of Late Jurassic neoselachians (Chondrichthyes, Elasmobranchii). (Co-authored by S. Klug)
- 76<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Kiel, Germany (Aug. 2006)
  - Talk New insights into the evolution of deep-sea dogfishes (Chondrichthyes, Squaliformes). (Co-authored by S. Klug)
  - Talk Diversity and biogeography patterns of Late Jurassic neoselachians (Chondrichthyes, Elasmobranchii). Co-authored by S. Klug (presenter)
  - Poster Taxonomy and distribution of Late Jurassic angelsharks (Chondrichthyes: Squatinidae). (Co-authored by M.R. de Carvalho and S. Klug)
- 33<sup>rd</sup> Meeting of the German working-group "Vertebrate Palaeontology", Greifswald, Germany (March 2006)

## 2005

- 65<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Mesa/Phoenix, U.S.A. (Oct. 2005). Invited session moderator.
  - Talk Phylogeny and fossil record of squaliform sharks (Chondrichthyes, Neoselachii). (Co-authored by S. Klug)
- 75<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Graz, Austria (Sept. 2005)

- Talk The cranial and dental morphology of pycnodont fishes (Neopterygii, Pycnodontiformes).
- Talk Revision of synechodontiform sharks (Neoselachii; Galeomorphii). (Co-authored by S. Klug)
- Poster Phylogeny of Late Jurassic carpetsharks (Neoselachii, Orectolobiformes). (Co-authored by S. Klug)
- Poster New insights into diversity and distribution of palaeospinacid sharks (Neoselachii, Synechodontiformes) from the lithographic limestones of southern Germany (Upper Jurassic). (Co-authored by S. Klug)
- 4<sup>th</sup> International Meeting on Mesozoic Fishes – Systematics, homology, and Nomenclature. Madrid, Spain (August 2005)
    - Talk Revision of Late Jurassic squatnoid sharks (Chondrichthyes, Neoselachii). (Co-authored by D. Thies, A. Mudroch & A. Leidner)
    - Poster Synechodontiform sharks from the Late Cretaceous of Antarctica (Chondrichthyes, Neoselachii). (Co-authored by S. Klug, J.M. Lirio & H.J. Núñez)
  - 1<sup>st</sup> International Symposium on the Management and Biology of Dogfish Sharks, Seattle, Washington, U.S.A. (June 2005)
    - Talk Phylogeny and Fossil Record of Squaliform Sharks (Chondrichthyes, Neoselachii): Combining Fossil and Extant Taxa
  - 32<sup>th</sup> Meeting of the German working-group "Vertebrate Palaeontology", Klein-Bottwar, Germany (March 2005)

#### 2004

- 4<sup>th</sup> International Symposium on Lithographic Limestone and Plattenkalk, Eichstätt, Germany (August 2004)
  - Poster Late Jurassic carpetsharks (Neoselachii, Orectolobiformes) from South Germany. (Co-authored by S. Klug)
  - Poster Occurrence and diversity of palaeospinacid sharks (Neoselachii, Synechodontiformes) from the Upper Jurassic lithographic limestones of South Germany. (Co-authored by S. Klug)
- 64<sup>th</sup> Annual meeting of the Society of Vertebrate Paleontology, Denver, Colorado, U.S.A. (Nov. 2004)
  - Talk Neoselachian (Chondrichthyes, Elasmobranchii) diversity across the K/T boundary.
- 74<sup>th</sup> Annual Meeting of the German Palaeontological Society, Göttingen, Germany (Oct. 2004)
  - Talk Morphological and molecular data in resolving the phylogeny of neoselachians.

#### 2003

- 73<sup>rd</sup> Annual Meeting of the German Palaeontological Society, Mainz, Germany (Oct. 2003)

- Talk The evolution of feeding mechanisms in bony fishes.
- Poster Neoselachian (Chondrichthyes, Elasmobranchii) diversity across the K/T boundary. Co-authored by M. Benton)
- Poster Diversity and distribution of Cretaceous and Palaeocene fishes of Peninsular India. (Co-authored by G. Arratia, V. Parmar, G. V. R. Prasad)
- ISAES-IX - International Symposium on Antarctic Earth Sciences Alfred-Wegener-Institute for Polar and Marine Research, Potsdam (Sept. 2003)
 

Talk Post-Jurassic Antarctic fish diversity (invited)
  - 30<sup>th</sup> Meeting of the German working-group “Vertebrate Palaeontology”, Bensberg, Germany (March 2003)
 

Talk Feeding preferences of fishes (invited)
- 2002**
- 62<sup>nd</sup> Annual meeting of the Society of Vertebrate Paleontology, Sam Noble Oklahoma Museum of Natural History, Oklahoma, U.S.A. (Oct. 2002)
 

Poster Late Cretaceous fish faunas from the Antarctic Peninsula (Co-authored by H. Nunéz, H. & J.M. Lirío)
  - Geo2002, Würzburg (Oct. 2002)
 

Talk Fish diversity in Cretaceous and Tertiary high latitudes of the southern Ocean (invited)

Poster Upper Jurassic Vertebrates of Tendaguru, Tanzania. (Co-authored by W.-D. Heinrich & G. Arratia)

Poster Kimmeridgian (Upper Jurassic) ostracodes and microvertebrates from the Iberian basin. (Co-authored by with K. Kussius)
  - 50<sup>th</sup> SVP/CA Meeting, Cambridge (Sept. 2002)
 

Talk Late Cretaceous and Cenozoic fishes from the Southern Ocean
  - XV Congreso Geológico Argentino in El Calafate, Argentina (April 2002)
  - 29<sup>th</sup> Meeting of the German working-group “Vertebrate Palaeontology”, Laimering (March 2002)
- 2001**
- XVII Jornadas de la Sociedad Española de Paleontología. Tema Monográfico: Los fósiles y la paleogeografía, Zaragoza (Oct. 2001)
 

Talk Palaeobiogeography of pycnodontiform fishes (Actinopterygii, Neopterygii)
  - PalBios 2001: 3,5 Billion Years of Biodiversity. Joint Meeting of the Palaeontological Society of Germany and Society for Biological Systematic in Oldenburg, Lower Saxony, Germany (Sept. 2001)
 

Talk The origin of the White Shark *Carcharodon carcharis* (Linnaeus, 1758)

- 3<sup>rd</sup> International Meeting on Mesozoic Fishes, Serpiano, Switzerland (August 2001)

Talk Systematic position of sclerorhynchid sawfishes (Batomorphii, †Sclerorhynchoidei) and higher-level batoid phylogeny

- 28th Meeting of the German working-group “Vertebrate Palaeontology”, Kusel, (March 2001)

## 2000

- 70<sup>th</sup> Annual Meeting of the German Palaeontological Society, Coburg, Germany. Sept. 2000

Talk: Ecomorphological aspects of pycnodont fishes (Neopterygii, Pycnodontiformes)

Poster Evolutionary trends in the cranial anatomy of pycnodont fishes (Neopterygii, Pycnodontiformes)

Poster Elasmobranchs and actinopterygians from the Maastrichtian (Late Cretaceous) of the south-central Pyrenees (Lleida, Spain). (Co-authored by R. Soler-Gijón and N. López-Martínez)

- 27<sup>th</sup> Meeting of the German working group on vertebrate palaeontology in Bensberg, Germany (March 2000)

## 1999

- 59<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Denver, U.S.A. (Okt. 1999)

Poster Evolutionary trends in the cranial anatomy of pycnodont fishes (Neopterygii, Pycnodontiformes)

- 26<sup>th</sup> Meeting of the German working group on vertebrate palaeontology in Laimering, Germany (March 1999).

## 1998

- XIV Jornadas de Paleontología, La Laguna, Tenerife (Oct. 1998)

Talk Palaeobiogeography and palaeoecology of sclerorhynchid sawfishes (Chondrichthyes, Rajiformes)

- 69<sup>th</sup> Annual meeting of the Paläontologische Gesellschaft, Zürich (Sept. 1998)

Talk Cranial anatomy and prey of pycnodont fishes (Neopterygii; Pycnodontiformes).

Poster Fish remains from the Late Jurassic of eastern Spain. (Co-authored by K. Kussius)

Poster Selachians and actinopterygians from the Early Cretaceous of eastern Spain. (Co-authored by K. Kussius)

Poster Ostrakoden aus dem Messinium von Karpathos (Dodecanes; Griechenland. (Co-authored by K. Kussius)

- Phylogenetic Symposium. Berlin, Germany (Nov. 1998)

- International Symposium on Epicontinental Triassic, Halle, Germany (Sept. 1998)
  - Talk Distribution of epicontinental fishes in the German Triassic (invited)
- 25<sup>th</sup> Meeting of the German working group on vertebrate palaeontology in St. Virgil, Salzburg. Theme: Ontogeny and Evolution (March 1998)

### 1997

- 57<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, Field Museum Chicago Illinois, U.S.A. (Okt. 1997)
  - Poster First articulated shark remains (Neoselachii, Lamniformes, Anacoracidae) from the Late Cretaceous of Spain (Co-authored by K. Oppermann)
- IV Congreso de Jurásico de España, Grupo Espanola del Mesozoico: El Jurásico de Iberia y de las Cuencas Peritetisianas. Alcañiz, Spain (Sept. 1997)
  - Talk Late Jurassic fishes (Pisces: Elasmobranchii, Actinopterygii) of the Iberian Peninsula (invited)
- 2<sup>nd</sup> International Meeting on Mesozoic fishes – Systematics and the fossil record. Buckow, Germany (July 1997)
  - Talk Pycnodontid fishes from the upper Barremian (Lower Cretaceous) of Uña (Cuenca Province, E-Spain)
  - Poster Fish remains from the lower Barremian (Lower Cretaceous) of the central Iberian Range, NE-Spain
- 24<sup>th</sup> Meeting of the German working group on vertebrate palaeontology in Kerkrade, The Netherlands (March 1997)

### 1996

- 56<sup>th</sup> Annual Meeting of the Society of Vertebrate Paleontology, New York, U.S.A., (Oct. 1996)
  - Poster Paleoecological implications of sharks from the lower Barremian of Galve and Alcaine, Province of Teruel, Spain (Co-authored by K. Kussius)
- 67<sup>th</sup> Annual meeting of the German Palaeontological Society, Leipzig, Germany (Sept. 1996)

### 1995

- 2<sup>nd</sup> International Symposium on Lithographic Limestones, Cuenca, Spain (July 1995)
  - Poster Elasmobranchian remains from the lower Barremian of north-eastern Spain (Province of Teruel): Preliminary report

### 1993

- 1<sup>st</sup> International Meeting on Mesozoic Fishes - Systematics and Palaeoecology, Eichstätt, Germany (August 1993)

## Invited Talks

- 14.03.2025: „Haie – eine Erfolgsgeschichte der Evolution?“ – Präsentation des Fossils des Jahres 2025, Museum für Naturkunde Chemnitz, Germany.
- 26.03.2023: “Der Hals der Giraffe: Was Lamarck und Darwin nicht wussten. Die Evolution des Halses aus evolutionpaläobiologischer Sicht.” – 4. OSCS-ORL Spring Course, Salzburg / Obertauern, Austria.
- 27.03.2022: “Die Evolution des auditorischen Systems - Warum wir mit den Ohren hören.” – 3. OSCS - ORL Spring Course, Salzburg / Obertauern, Austria.
- 24.03.2022: “Early diversity patterns of elasmobranch fishes (sharks, rays): A deep time perspective. – The 2<sup>nd</sup> International Electronic Conference on Diversity (IECD 2022) - New Insights into the Biodiversity of Plants, Animals and Microbes, Online.
- 11.01.2021: “Of genes and fossils: Reconstructing adaptations in deep-time”. – LMU Munich, Biocenter, Department of Biology II and GeoBio-Center.
- 28.11.2017: “Diversity and palaeobiogeographic patterns of Late Cretaceous-Palaeogene Gondwana chondrichthyans”. – Primera Reunión de Paleontología de Vertebrados de Chile (IRPVC 2017) (Key note).
- 11.04.2012: “Origin and evolution of sharks, rays and skates.” – Scientific colloquium, Palaeontological Institute, University of Zürich, Switzerland.
- 03.2008: “Pycnodont fishes: Ancestors or extinct sideline of coral fishes?” – Scientific colloquium, Palaeontological Institute, University of Zürich, Switzerland.
- 10.01.2006: “Evolution of Antarctic Fish.” – Geologisches Landesamt Bayern, Munich.

## Social Activities

### Kiwanis International

- 10.2024 – 10.2025: President “Kiwanis Club Belvedere, Vienna”
  - 10.2023 – 10.2024: Vice-President President “Kiwanis Club Belvedere, Vienna”
  - 10.2017 – 10.2018: Immediate Past President, “Kiwanis Club Belvedere, Vienna”
  - 10.2016 – 10.2017: President “Kiwanis Club Belvedere, Vienna”
  - 10.2015 – 10.2016: Vice-President “Kiwanis Club Belvedere, Vienna”
  - 11.2013 – 01.2017: Database manager of “Kiwanis Club Belvedere, Vienna”
  - since 11.2013: Charter member “Kiwanis Club Belvedere, Vienna”
- since 2012: Member of Kiwanis International, “Kiwanis Club Klimt, Vienna”

## Publications

A Edited Volumes	1
B Scientific Publications	1
- Upcoming	1
- Published (including Online First)	2
C Conference Abstracts:	21
D Miscellaneous	37

---

### A Edited Volumes

4. **KRIWET, J.**, VILLALOBOS-SEGURA, E. & STUMPF, S. (Eds.) 2022. Evolution and Diversity of fishes in Deep Time. – Diversity, Special Issue.
3. STUMPF, S., TÜRTSCHER, J., PFAFF, C., JAMBURA, P.L. & **KRIWET, J.** (Eds.) 2021. Abstracts of the 92nd Annual Meeting of the Paläontologische Gesellschaft. – 102 pp.; Berichte der Geologischen Bundesanstalt, **142**, Wien.
2. PFAFF, C. & **KRIWET, J.** (Eds.) 2018. 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume. – 64 pp.; Verlag Dr. Friedrich Pfeil, München.
1. SCHWARZ, C. & **KRIWET, J.** (Eds.) 2013. Abstracts 6<sup>th</sup> International Meeting on Mesozoic fishes. – 72 pp.; Verlag Dr. Friedrich Pfeil, München.

### B Scientific Publications (\* = non-peer reviewed)

#### In press

229. SMITH, J.A., DOWDING, E.M., ABDELHADY, A.A., ABONDIO, P., ARAÚJO, R., AZE, T., BALISI, M., BUATOIS, L.A., CARVAJAL-CHITTY, H., CHATTOPADHYAY, D., COIRO, M., DIETL, G.P., GONZÁLEZ ARANGO, C., KEVREKIDIS, C., KIMMIG, J., MYCHAJLIW, A.M., PIMENTO, C., REGALADO FERNÁNDEZ, O.R., SCHROEDER, K.M., WARNOCK, R.C.M., YANG, T.R., YASUHARA, M., AKITA, L.G., ALLEN, B.J., ANDERSON, B.M., ANDRÉOLETTI, J., ARCHUBY, F.M., BALLEN, G.A., BARI, M.I., BENTON, M.J., BERGH, E.W., BRAMBILLA, L., BROMBACHER, A., CHAN, Y.K.S., CHIARENZA, A.A., CHINZORIG, T., COATES, K.M., CORDIE, D.R., CORTÉS-SÁNCHEZ, M., CRUZ-VEGA, E.J., CYBULSKI, J.D., DE BAETS, K., DE ENTRAMBASAGUAS, J., DILLON, E.M., DU, A., DUNHILL, A.M., ERLANDSON, J.M., FOREL, M.B., FOSTER, W.J., GATES, T.A., GAVRYUSHKINA, A., GRACE, M.K., GROSSART, H.P., HÄNSEL, P., HARLIK, P.G., HOPKINS, M.J., HOPKINS, S., HU, K., HUANG, H.H.M., IRMIS, R.B., JAQUES, V.A.J., JENKINS, X.A., JUKAR, A.M., KELLEY, P.H., KIHН, R.G., KLOMPMAKER, A.A., KOCSIS, Á.T., **KRIWET, J.**, LAZARUS, D., LIAO, C.C., LIN, C.H., LOUYS, J., LOZANO-FERNANDEZ, J., LOZANO-FRANCISCO, M.C., LUEDERS-DUMONT, J.A., MALVÈ, M.E., MARTINDALE, R.C., MAZZINI, I., MODENINI, G., MONDAL, S., MONDINI, M., MONFERRAN, M.D., MULVEY, L.P.A., NANGLU, K., NGUYEN, J.M.T., NORRIS, R., O'DEA, A., OLLENDORF, A.L., ORIHUELA, J., PANDOLFI, J.M., PEREIRA, T., PIRO, A., PLOTNICK, R.E., PLAZA-TORRES, S.M., PORTO, A., PRIETO-MÁRQUEZ, A., PUNYASENA, S.W., QUENTAL, T.B., RAJA, N.B., RANAIVOSOA, V., RIBAS-DEULOFEU, L., RIVALS, F., RODEN, V.J., ROSSO, A., SALEH, F., SALVADOR, R.B., SAUPE, E.E., SCHNEIDER, S., SCLAFANI, J.A., SMITH, M.R., SOURON, A., STEINBAUER, M.J., STEWART, M., TAMBUSSI, C.P., THOMAS, E., TSCHOPP, E., TÜTKEN, T., VARELA, S., VEZZOSI, R.I., VILLASEÑOR, A., WEINKAUF, M.F.G., ZANNO, L.E., ZHANG, C., ZHAO,

Q., KISSLING, W. in review. Big questions in paleontology: A community-driven project to motivate new insights about the history of life on Earth. – *Paleobiology*.

## 2025

228. LÓPEZ-ROMERO, F.A., VILLALOBOS-SEGURA, E., TÜRTSCHER, J., BERIO, F., STUMPF, S., DEARDEN, R.P., **KRIWET, J.**, MALDONADO, E. in review. Evolution of the batoidea pectoral fin skeleton: Convergence, modularity, and Integration driving disparity trends. – *Evolutionary Ecology*. DOI: 10.1007/s10682-025-10330-x (24 pp.).
227. TÜRTSCHER, J., JAMBURA, P.L., SPINDLER, F. & **KRIWET, J.** 2025. A new holomorphic ray (Chondrichthyes, Elasmobranchii) from the Kimmeridgian (Upper Jurassic) of Painten, Germany informs about diversity and disparity of stem Batomorphii. – *PlosOne*, 20(1), e0310174. DOI: 10.1371/journal.pone.0310174 (32 pp.).
226. STAGGL, M.A., DE GRACIA, C., LÓPEZ-ROMERO, F.A., STUMPF, S., VILLALOBOS-SEGURA, E., BENTON, M.J. & **KRIWET, J.** 2025. Unravelling the drivers of Mesozoic neoselachian success and resilience. – *Biology*, 14, 142. DOI: 10.3390/biology14020142 (19 pp.).
225. AMADORI, M., JAPUNDŽIĆ, S., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., JAMBURA, P.L. & **KRIWET, J.** in review. New insights on the shell-crusher shark *Ptychodus decurrens* Agassiz, 1838 (Elasmobranchii, Ptychodontidae) based on the first known articulated dentition from the Upper Cretaceous of Croatia. – *Swiss Journal of Palaeontology*, 144:
224. JAMBURA, P.L., UGARKOVIĆ, P., PAVIČIĆ, M., ĆETKOVIĆ, I., NIEDERMÜLLER, S., KRIWET, J. & TÜRTSCHER, J. in review. New Evidence for the Contemporary Presence of Juvenile White Sharks (*Carcharodon carcharias*) in the Adriatic Sea. – *Fishes*, 10(1), 25. DOI: 10.3390/fishes10010025 (11 pp.).

## 2024

223. LAROCCA CONTE, G., ALEKSINSKI, A., LIAO, A., KRIWET, J., MÖRS, T., TRAYLER, R.B., IVANY, L.C., HUBER, M., KIM, S.L. in press. A proximal perspective to the Eocene Drake Passage: environmental reconstruction and habitat use based on  $\delta^{18}\text{O}$  of fossil shark teeth from Seymour Island, Antarctica. – *Paleoceanography and Paleoclimatology*, 39: e2024PA004965 (23 pp.).
222. DE GRACIA, C., VILLALOBOS-SEGURA, E., BALLEN, G.A., CARNEVALE, G. & **KRIWET, J.** 2024. Phylogenetic patterns among fossil and living billfishes (Istiophoriformes, Istiophoridae): evidence from the Central Mediterranean. – *Papers in Palaeontology*, 10: e1559 (27 pp.).
221. GOEDERT, J.L., KIEL, S., THOMAS, E.J. & **KRIWET, J.** 2024. An early Eocene shark assemblage associated with a barite deposit in the lower part of the Crescent Formation, Olympic Peninsula, Washington. – *PalZ*, 98: 443-467. DOI: 0.1007/s12542-024-00692-y.
220. VULLO, R., VILLALOBOS-SEGURA, E., AMADORI, M., KRIWET, J., FREY, E., GONZÁLEZ, M.A., GUTIÉREZ, J.M.P., IFRIM, C., STINNESBECK, E.S. & STINNESBECK, W. 2024. Exceptionally preserved shark fossils from Mexico elucidate the long-standing enigma of the Cretaceous elasmobranch *Ptychodus*. – *Proceedings of the Royal Society London B*, 291: 20240262 (12 pp.). DOI: 10.1098/rspb.2024.0262
219. CAWLEY, J.J. & **KRIWET, J.** (2024). The fossil record and diversity of pycnodondiform fishes in non-marine environments. – *Diversity Special Issue Diversity*,

Biogeography and Evolution of Actinopterygians), **16**: 225 (38 pp.). DOI: 10.3390/d16040225.

218. TÜRTSCHER, J., JAMBURA, P.L., VILLALOBOS-SEGURA, E., UNDERWOOD, C.J., THIES, D. & KRIWET, J. 2024. Rostral and body shape analyses reveal cryptic diversity of Late Jurassic batomorphs from Europe. – *Papers in Palaeontology*, **10**: e1552 (31 pages). DOI: 10.1002/spp2.1552.
217. STERNES, P.C., JAMBURA, P.L., TÜRTSCHER, J., KRIWET, J., SIVERSSON, M., FEICHTINGER, I., NAYLOR, G.J.P., SUMMER, A.P., MAISEY, J.G., TOMITA, T., MOYER, J.K., HIGHAM, T.E., DA SILVA, J.P.C.B., BORNATOWSKI, H., LONG, D.J., PEREZ, V.J., COLLARETA, A., UNDERWOOD, C., WARD, D.J., VULLO, R., GONZÁLEZ-BARBA, G., MAISCH IV, H.M., GRIFFITH, M.L., BECKER, M.A., WOOD, J.J. & SHIMADA, K. 2024. White shark comparison reveals a more slender *Megalodon* body. – *Palaeontologia Electronica*, **27**: a7 (20 pages). DOI: 10.26879/1345.
216. BALÀKA, P.F., UGARKOVIĆ, P., TÜRTSCHER, J., KRIWET, J., NIEDERMÜLLER, S., KRSTINIĆ, P. & JAMBURA, P.L. 2023. Reply to Comment on „Updated Checklist of Chondrichthyan Species in Croatia (Central Mediterranean Sea)“ by Balàka, P.F.; 3 Ugarković, P.; Türtscher, J.; Kriwet, J.; Niedermüller, S.; 4 Krstinić, P.; Jambura, P.L. *Biology* 2023, **12**, 952. – *Biology*, **13**: 136 (6 pages). DOI: 10.3390/biology13030136.
215. JAMBURA, P.L., SOLONIN, S.V., COOPER, S.L.A., MYCHKO, E.V., ARKHANGELSKY, M.S., TÜRTSCHER, J., AMADORI, M., STUMPF, S., VODOREZOV, A.V., KRIWET, J. 2024. Fossil marine vertebrates (Chondrichthyes, Actinopterygii, Reptilia) from the Late Cretaceous of Akkermanovka (Orenburg Oblast, Southern Urals, Russia). – *Cretaceous Research*, **155**: 105779 (44 pages). DOI: 10.1016/j.cretres.2023.105779

## 2023

214. MARRAMÀ, G., VILLALOBOS SEGURA, E., ZORZIN, R., KRIWET, J. & CARNEVALE, G. 2023 (online first). The evolutionary origin of the durophagous pelagic stingray ecomorph. – *Palaeontology*, e12669: 1-32. DOI: 10.1111/pala.12669.
213. DE GRACIA, C., BERNNING, B. & KRIWET, J. 2023. The origin of modern marlins (Teleostei: Istiophoridae): new fossil evidence from the Early Miocene of Austria. – *Journal of Vertebrate Paleontology*, **43**: e2281490 (6 pages). DOI: 10.1080/02724634.2023.2281490
212. KLIMPFINGER, C. & KRIWET, J. 2023. Morphological variability and function of labial cartilages in sharks (Chondrichthyes, Elasmobranchii). – *Biology (MDPI)*, **12**: 1468 (19 pages).
211. VILLAFAÑA, J.A., RIVADENEIRA, M.M., PIMENTO, C. & KRIWET, J. 2023. Diversification trajectories and paleobiogeography of Neogene chondrichthyans from Europe. – *Paleobiology*, **49**: 329-341. DOI: 10.1017/pab.2022.40.
210. AMADORI, M., KOVALCHUK, O., BARKASZI, Z., GIUSBERTI, L., KINDLIMANN, R. & KRIWET, J. 2023. A diverse assemblage of †*Ptychodus* species (Elasmobranchii: Ptychodontidae) from the Upper Cretaceous of Ukraine, with comments on possible diversification drivers during the Cenomanian. – *Cretaceous Research*, **151**: 105659 (11 pages).
209. KOVALCHUK, O., KRIWET, J., SMIMADA, K., RYABOKON, T., BARKASZI, Z., DUBIKOVSKA, A., ANFIMOVA, G. & DAVYDENKO, S. 2023. Middle Eocene cartilaginous fishes

- (Vertebrata: Chondrichthyes) of the Dnieper–Donets Basin, northern Ukraine. – *Palaeontologia Electronica*, **26** (2): a31 (37 pages).
208. BALĀKA, P.F., UGARKOVIĆ, P., TÜRTSCHER, J., KRIWET, J., NIEDERMÜLLER, S., KRSTINIĆ, P. & JAMBURA, P.L. 2023. Updated Checklist of Chondrichthyan Species in Croatia (Central Mediterranean Sea). In Porcu, C. & Bellodi, A. (eds.). *Rays and Sharks: Biology, Ecology, Conservation and Distribution of Predators (Special Issue of Conservation Biology and Biodiversity)*, **12**(7): 952 (33 pages)
  207. LAMBERT, O., WANZENBÖCK, G., PFAFF, C., LOUWYE, S., KRIWET, J., MARX, F.G. 2023. First eurhinodelphinid dolphin from the middle Miocene of the Paratethys. – *Historical Biology*, **35**: 1074-1091.
  206. LÓPEZ-ROMERO, F.A., STUMPF, S., KAMMINGA, P., BÖHMER, C., PRADEL, A., BRAZEAU, M.D. & KRIWET, J. 2023. Evolution of shark mandibles reveals drivers of morphological diversity in marine habitats. – *Communications Biology*, **6**, 496 (13 pp.).
  205. STUMPF, S., KETTLER, C., KINDLIMANN, R., CUNY, G. & KRIWET, J. 2023. The oldest Gondwanan record of the extinct durophagous hybodontiform chondrichthyan, *Strophodus* from the Bajocian of Morocco. – *Swiss Journal of Palaeontology*, **142**, 5 (15 pp.). DOI: 0.1186/s13358-023-00270-w.
  204. VILLALOBOS-SEGURA, E., STUMPF, S., TÜRTSCHER, J., JAMBURA, P.L., BEGAT, A., LÓPEZ-ROMERO, F.A., FISCHER, J. & KRIWET, J. 2023. A synoptic review of the cartilaginous fishes (Chondrichthyes: Holocephali, Elasmobranchii) from the Upper Jurassic Konservat-Lagerstätten of Southern Germany: Taxonomy, diversity, and faunal relationships. – *Diversity*, **15**, 386 (70 pp.). DOI: 10.3390/d15030386.
  203. WEN, W., ZHANG, Q.Y., BENTON, M.J., KRIWET, J., Hu, S.X., HUANG, J.Y., ZHOU, C.Y., CUI, X.D. & MIN, X. 2023. First occurrence of hybodontid teeth in the Luoping Biota (Middle Triassic, Anisian), emphasizing recovery of the marine ecosystem after the end-Permian mass extinction. – *Palaeogeography, Palaeoclimatology, Palaeoecology*, **617**: 111471 (12 pages).
  202. JAMBURA, P.L., VILLALOBOS-SEGURA, E., TÜRTSCHER, J., BEGAT, A., STAGGL, M.A., STUMPF, S., KINDLIMANN, R., KLUG, S., LACOMBAT, F., POHL, B., MAISEY, J.G., NAYLOR, G.J.P. & KRIWET, J. 2023. Systematics and phylogenetic interrelationships of the enigmatic Late Jurassic shark *Protospinax annectans* Woodward, 1918 with comments on the shark-ray sister group relationship. – *Diversity*, **15**, 311 (43 pp.). DOI: 10.3390/d15030311.
  201. FELIX, E.J., MÁNUEL, J.M., LITRÁN, R., RODRÍGUEZ, M.A., ROMÁN-SÁNCHEZ, S., LAHOZ, R., NATIVIDAD, E., FERNÁNDEZ-PONCE, C., GARCIA-COZAR, F., LLAGUNO-MUNIVE, M., ABASOLO, I., YESTE, P., PFAFF, C., KRIWET, J. & BOMATI-MIGUEL, O. 2023. Scanning pulsed laser ablation in liquids: An alternative route to obtaining biocompatible YbFe nanoparticles as multiplatform contrast agents for combined MRI and CT imaging. – *Ceramics International*, **49**: 9324-9337. DOI: 10.1016/j.ceramint.2022.11.099.

## 2022

200. BEGAT, A., KRIWET, J., GELFO, J.N., GOUIRIC CAVALLI, S., SCHULTZ, J.A. & MARTIN, T. 2022 (online first). The first Southern Hemisphere occurrence of the extinct Cretaceous sclerorhynchoid sawfish *Ptychotrygon* (Chondrichthyes, Batoidea), with a review of *Ptychotrygon* taxonomy. – *Journal of Vertebrate Paleontology*,

e2162411 (14 pages). DOI: 10.1080/02724634.2022.2162411.

199. AMADORI, M., SOLONIN, S.V., VODOREZOV, A.V., SHELL, R., NIEDZWIEDZKI, R. KRIWET, J. 2022. The extinct shark, *Ptychodus* (Elasmobranchii, Ptychodontidae) in the Upper Cretaceous of central-western Russia – The road to easternmost peri-Tethyan seas. – Journal of Vertebrate Paleontology, e2162909 (26 pages). DOI: 10.1080/02724634.2022.2162909.
198. STAGGL, M., ABED-NAVANDI, D. & KRIWET, J. 2022. Cranial morphology of the orectolobiform shark, *Chiloscyllium punctatum* Müller & Henle, 1838. Vertebrate Zoology, **72**, 2022: 311-370. DOI: 10.3897/vz.72.e84732.
197. YESTE, M.P., FERNÁNDEZ-PONCE, C., FÉLIX, E., TINOCO, M., FERNÁNDEZ-CISNAL, R., GARCÍA-VILLAR, C., PFAFF, C., KRIWET, J., NATIVIDAD, E., CAUQUI, M.A., GARCÍA-CÓZAR, F., LITRÁN, R. & BOMATI-MIGUEL, O. 2022. Solvothermal synthesis and characterization of ytterbium/iron mixed oxide nanoparticles with potential functionalities for applications as multimodal contrast agent in medical image techniques. – Ceramics International, **48**: 31191-31202. DOI: 10.1016/j.ceramint.2022.06.194.
196. DE GRACIA, C., CORREA-METRIO, A., CARVALHO, M., VELEZ-JUARBE, J., KRIWET, J., PŘIKRYL, T. & JARAMILLO, C. 2022. Towards a unifying systematic scheme of fossil and living billfishes (Teleostei, Istiophoridae). – Journal of Systematic Palaeontology, **20**: 2091959 (36 pp.). DOI: 10.1080/14772019.2022.2091959.
195. WEN, W., KRIWET, J., ZHANG, Q., BENTON, M.J., DUFFIN, C.J., HUANG, J., ZHOU, C., MA, Z., LIN, S., Hu, S. & QIIN, Y. 2022. New hybodontiform shark remains (Chondrichthyes, Elasmobranchii) from the Early Triassic continental Dongchuan Formation (Yunan Province, China), with comments on hybodontiform diversity across the PTB in China. – Journal of Vertebrate Paleontology, **42**: e2108712 (15 pages). DOI: 10.1080/02724634.2022.2108712.
194. DE GRACIA, C., RODRIGUEZ, F., AGUILERA, O., JARAMILLO, C. & KRIWET, J. 2022. Evidence for earlier radiation in istiophorid billfishes (Teleostei, Xiphioidea) uncovered by comparative morphology of the caudal vertebrae. – Journal of Vertebrate Paleontology, **42**: e2100709 (13 pages).
193. TÜRTSCHER, J., JAMBURA, P.L., LÓPEZ-ROMERO, F.A., KINDLIMANN, R., SATO, K., TOMITA, T. & KRIWET, J. 2022. Heterodonty and ontogenetic shift dynamics in the dentition of the tiger shark *Galeocerdo cuvier* (Chondrichthyes, Galeoceridae). – Journal of Anatomy, **241**:372–392.
192. VILLALOBOS-SEGURA, E., GIUSEPPE MARRAMÀ, G., CARNEVALE, G., CLAESON, K.M., UNDERWOOD, C.J., NAYLOR, G.J.P. & KRIWET, J. 2022. The phylogeny of Batomorphii (Chondrichthyes: Elasmobranchii) based on morphological characters revisited. – Diversity, **14**: 456 (65 pp.). DOI: 10.3390/d14060456.
191. KIM, S., YEAKEL, J.D., BALK, M., EBERLE, J., ZEICHNER, S., KRIWET, J. in review. Decoding the dynamics of dental distributions: insights from shark demography and dispersal. – Proceedings of the Royal Society, B, **289**: 20220808. DOI: 10.1098/rspb.2022.0808.
190. AMADORI, M., KINDLIMANN, R., FORNACIARI, E., GIUSBERTI, L. & KRIWET, J. 2022. A new cuspidate ptychodontid shark (Chondrichthyes; Elasmobranchii), from the Upper Cretaceous of Morocco with comments on tooth functionalities and replacement patterns. – Journal of African Earth Sciences, **187**: 1-25. DOI: 10.1016/j.jafrearsch.2021.104440.

189. SCHNELL, N.K., **KRIWET, J.**, LÓPEZ-ROMERO, F.A., LECOINTRE, G. & PFAFF, C. 2021 (). The musculotendinous system of mesopelagic fishes, part I: Stomiiformes (Teleostei). – *Journal of Anatomy*, **240**: 1095-1126. DOI: 10.1111/joa.13614.
188. HAPP, J., ELSLER, A., **KRIWET, J.**, PFAFF, C. & BOCHENSKI, Z.M. 2021 (online first). Two passeriform birds (Aves: Passeriformes) from the Middle Miocene of Austria. – *PalZ*, **96**: 313-321. DOI: 10.1007/s12542-021-00579-2.
187. MARRAMÀ, G., CARNEVALE, G. & **KRIWET, J.** 2022. Diversity, paleoecology and paleoenvironmental significance of the Eocene chondrichthyan assemblages of the Bolca Lagerstätte, Italy. – *Lethaia*, **54**: 736-751. DOI: 10.1111/let.12436.
186. LÓPEZ-ROMERO, F.A., FIDJI, B., ABED-NAVANDI, D. & **KRIWET, J.** 2022. Early shape divergence of developmental trajectories in the jaw of galeomorph sharks. – *Frontiers in Zoology*, **19**, 7 (11 pages). DOI: 0.1186/s12983-022-00452-1.
185. STUMPF, S., MENG, S. & **KRIWET, J.** 2022. Diversity patterns of Late Jurassic chondrichthyans: New insights from a historically collected hyodontiform tooth assemblage from Poland. – *Diversity*, **14**, 85: 1-18. DOI: 10.3390/d14020085
184. SCHADE, M., STUMPF, S., KETTLER, C., **KRIWET, J.** & PFAFF, C. in press. Neuroanatomy of the nodosaurid *Struthiosaurus austriacus* (Dinosauria: Thyreophora) supports potential ecological differentiations within Ankylosauria. – *Scientific Reports*, **12**: 144. DOI: 0.1038/s41598-021-03599-9.

## 2021

183. SCHULTZE, H.-P. & **KRIWET, J.** 2021. Die Fische der Germanischen Trias. – In: Hauschke, N., Bachmann, G.H. & Franz, N. (eds.): *Trias – Aufbruch ins Erdmittelalter: 3017–323*; Verlag Dr. Friedrich Pfeil, München.
182. VILLALOBOS-SEGURA, E., **KRIWET, J.**, VULLO, R. & STUMPF, S., WARD, D.J. & UNDERWOOD, C.J. 2021. The skeletal remains of the euryhaline sclerorhynchid batoid *Onchopristsis* (Elasmobranchii, Batoidea) from the ‘mid’ Cretaceous and its palaeontological implications. – *Zoological Journal of the Linnean Society*, **193**: 746-771. DOI: 10.1093/zoolinnean/zlaa66.
181. FEICHTINGER, I., ADNET, S., CUNY, G., GUINOT, G., **KRIWET, J.**, NEUBAUER, T.A., POLLERSPOCK, J., SHIMADA, K., STRAUBE, N., UNDERWOOD, C., VULLO, R. & HARZHAUSER, M. 2021. Comment on “An early Miocene extinction in pelagic sharks”. – *SCIENCE*, **374**, 6573: EABK0632. DOI: 10.1126/SCIENCE.ABK0632.
180. TÜRTSCHER, J., LÓPEZ-ROMERO, F.A., JAMBURA, P.L., KINDLIMANN, R., WARD, D.J. & **KRIWET, J.** 2021. Evolution, diversity and disparity of the tiger shark lineage *Galeocerdo* in deep time. – *Paleobiology*, **47**: 574-590. DOI: 10.1017/pab.2021.6.
179. FEICHTINGER, I., IVANOV, A.O., WINKLER, V., DOJEN, C., KINDLIMANN, R., **KRIWET, J.**, PFAFF, C., SCHRAUT, G. & STUMPF, S. 2021. Scarce ctenacanthiform sharks from the Mississippian of Austria with an analysis of Carboniferous elasmobranch diversity in response to climatic and environmental changes. – *Journal of Vertebrate Paleontology*, **41**: e192590 (14 pp.). DOI: 10.1080/02724634.2021.1925902.
178. OYANADEL-URBINA, P., DE GRACIA, C., CARRILLO-BRICEÑO, J.D., NIELSEN, S.N., FLORES, H., CASTELETTO, V., **KRIWET, J.**, RIVADENEIRA, M.M. & VILLAFAÑA, J.A. 2021. Neogene bony fishes from the Bahía Inglesa Formation, northern Chile. – *Ameghiniana*, **58**: 345-368. DOI: 0.5710/AMGH.26.05.2021.3375

177. GUICHARROUSSE-VARGAS, M., VILLAFAÑA, J.A., OYANADEL-URBINA, P., FIGUEROA, R., CARRILLO-BRICEÑO, J.D., PÉREZ-MARÍN, J.R., RIVADENEIRA, M.M. & KRIWET, J. 2021. The first fossil record of the sawshark *Pliotrema* (Pristiophoridae) from the Neogene of south-eastern Pacific (Chile). – *Ameghiniana*, **58**: 122–131. DOI: 10.5710/AMGH.01.03.2021.3389.
176. JAMBURA, P.L., TÜRTSCHER, J., KRIWET, J. & AL MABRUK, S.A.A. 2021. Deadly interaction between swordfish *Xiphias gladius* and bigeye thresher shark *Alopias superciliosus*. – *Ichthyological Research*, **68**: 317–321. DOI: 10.1007/s10228-020-00787-x
175. MARRAMÀ, G., CARNEVALE, G., NAYLOR, G., VARESE, M., GIUSBERTI, L. & KRIWET, J. 2021. Anatomy, taxonomy, and phylogeny of the Eocene guitarfishes from the Bolca Lagerstätte (Italy) provide new insights into the relationships of the Rhinopristiformes (Elasmobranchii: Batomorphii). – *Zoological Journal of the Linnean Society*, **192**: 1090–1110. DOI: 10.1093/zoolinnean/zlaa125.
174. JAMBURA, P.L., TÜRTSCHER, J., DE MADDALENA, A., GIOVOS, I., KRIWET, J., RIZGALLA, J., AL MABRUK, S.A.A. 2021. Using citizen science to detect rare and endangered species: new records of the great white shark *Carcharodon carcharias* (Chondrichthyes, Lamnidae) off the Libyan coast (Mediterranean Sea). – *Annales, Series Historia Naturalis*, **31**: 51–60. DOI: 10.19233/ASHN.2021.07.
173. STUMPF, S., LÓPEZ-ROMERO, F.A., KINDLIMANN, R., LACOMBAT, F., POHL, B. & KRIWET, J. 2021. Data from: A unique hybodontiform skeleton provides novel insights into Mesozoic chondrichthyan life. Dryad, Dataset. DOI: 10.5061/dryad.fqz612jr5.
172. STUMPF, S., LÓPEZ-ROMERO, F.A., KINDLIMANN, R., LACOMBAT, F., POHL, B. & KRIWET, J. 2021. A unique hybodontiform skeleton provides novel insights into Mesozoic chondrichthyan life. – *Papers in Palaeontology*, **7**: 1479–1505. DOI: 10.1002/spp2.1350.
171. STUMPF, S., ETCHE, S., UNDERWOOD, C. & KRIWET, J. 2021. *Durnonovariaodus maiseyi* gen. et sp. nov., a new hybodontiform shark-like chondrichthyan from the Upper Jurassic Kimmeridge Clay Formation of England. – *PeerJ*, **9**: e11362 (30 pages). DOI: 10.7717/peerj.11362.
170. JAMBURA, P.L., STUMPF, S. & KRIWET, J. 2021. Skeletal remains of the oldest known pseudocoracid shark *Pseudocorax kindlimanni* sp. nov. (Chondrichthyes, Lamniformes) from the Upper Cretaceous of Lebanon. – *Cretaceous Research*, **125**: 104842 (13 pages). DOI: 10.1016/j.cretres.2021.104842.
169. CAWLEY, J.J., MARRAMÀ, G., CARNEVALE, G., VILLAFAÑA, J.A., LÓPEZ ROMERO, F. & KRIWET, J. 2021. Rise and fall of †Pycnodontiformes: Diversity, competition and extinction of a successful fish clade. – *Ecology and Evolution*, **11**: 1769–1796. DOI: 10.1002/ece3.7168.
168. JAMBURA, P.L., ĆETKOVIĆ, I., KRIWET, J. & TÜRTSCHER, J. 2021. Using historical and citizen science data to improve the knowledge about the occurrence of the elusive sandbar shark *Carcharhinus plumbeus* in the Adriatic Sea. – *Mediterranean Marine Science*, **22**(1): 169–179. DOI: 10.12681/mms.24624.
167. TÜRTSCHER, J., LÓPEZ-ROMERO, F., JAMBURA, P., KINDLIMANN, R., WARD, D.J. & KRIWET, J. 2021. Data from: Evolution, diversity and disparity of the tiger shark lineage *Galeocerdo* in deep time. – Dryad, Dataset. DOI: 10.5061/dryad.rv15dv47c.

## 2020

166. VILLAFAÑA, J.A., MARRAMÀ, G., KLUG, S., POLLERSPÖCK, J., BALSBERGER, M., RIVADENEIRA, M. & KRIWET, J. 2020. Shark, rays and skates (Chondrichthyes, Elasmobranchii) from the Upper Marine Molasse (Ottangian, early Miocene) of the Simssee area (Bavaria, Germany), with comments on palaeogeographic and ecological patterns. *PalZ*, **94**: 725-757.
165. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., CARNEVALE, G. & KRIWET, J. 2020. The Italian fossil record of the Cretaceous shark, *Ptychodus latissimus* Agassiz, 1835 (Chondrichthyes; Elasmobranchii). – *PeerJ*, **8**: e10167 (35 pages). DOI: 10.7717/peerj.10167.
- 164 STUMPF, S., LÓPEZ-ROMERO, F., KINDLIMANN, R., LACOMBAT, F., POHL, B. & KRIWET, J. 2020. Data from: A unique hybodontiform skeleton provides novel insights into Mesozoic chondrichthyan life. – Dryad, Dataset. DOI: 10.5061/dryad.fqz612jr5.
- 163 KIM, S.L., ZEICHNER, S.S., COLMAN, A.S., SHER, H.D., KRIWET, J., MÖRS, T. & HUBER, M. 2020. Probing the ecology and climate of the Eocene Southern Ocean with sand tiger sharks *Striatolamia macrota*. – *Paleoceanography and Paleoclimatology*, **35**: e2020PA003997 (21 pages). DOI: 10.1029/2020PA003997.
- 162 MARRAMÀ, G., CARNEVALE, G., CLAESON, K.M., NAYLOR, G. & KRIWET, J. 2020. Revision of the Eocene '*Platyrhina*' species from the Bolca Lagerstätte (Italy) reveals the first panray (Batomorphii: Zanobatidae) in the fossil record. – *Journal of Systematic Palaeontology*, **18**: 1519-1542. DOI: 10.1080/14772019.2020.1783380.
161. FEICHTINGER, I., LUKENEDER, A., TOPAB, D., KRIWET, J. & WESTALLD, F. 2020. Fossil microbial tooth decay documents in situ metabolism of enameloid proteins as high-energy nutrition source in deep-water environments. – *Scientific Reports*, **10**: 20979. DOI: 10.1038/s41598-020-77964-5.
160. MARRAMÀ, G., CARNEVALE, G., NAYLOR, G. & KRIWET, J. 2020. Skeletal anatomy, phylogenetic relationships and paleoecology of the Eocene stingray *Arechia Cappetta*, 1983 (Batomorphii, Myliobatiformes) from Monte Postale (Bolca Lagerstätte, Italy). – *Journal of Vertebrate Paleontology*, **40**: e1803339 (12 pages). DOI: 10.1080/02724634.2020.1803339.
159. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., CARNEVALE, G. & KRIWET, J. 2020. The Italian fossil record of the Cretaceous shark, *Ptychodus latissimus* Agassiz, 1835 (Chondrichthyes; Elasmobranchii). – *PeerJ*, **8**: e10167 (35 pages). DOI 10.7717/peerj.10167.
158. CAWLEY, J., LEHMANN, J., WIESE, F. & KRIWET, J. 2020. Some like it hot: *Njoerdichthys dyckerhoffi* gen. et sp. nov. (Pycnodontiformes, Lower Turonian) northward migration caused by the Cretaceous Thermal Maximum. – *Cretaceous Research*, **116**: 104590 (22 pages). DOI: 10.1016/j.cretres.2020.104590.
157. KLIMPFINGER, C. & KRIWET, J. 2020. Comparative morphology of labial cartilages in sharks (Chondrichthyes, Elasmobranchii). *The European Zoological Journal*, **87**, S1 (New Perspectives in Elasmobranchs Research: From Biology to Management and Conservation): 741-753. DOI: 10.1080/24750263.2020.1844323
156. HAUG, C., REUMER, J.W.F., HAUG, J.T., ARILLO, A., AUDO, D., AZAR, D., BARANOV, V., BEUTEL, R., CHARBONNIER, S., FELDMANN, F., FOTH, C., FRAAIJE, R.H.B., GAŠPARIČ, R., GREENWALT, D.E., HYŽNÝ, M., JAGT, J.W.M., JAGT-YAZYKOVA, E.A., JARZEMBOWSKI, E., KERP, H., KIREJTSHUK, A.G., KLUG, C., KOPYLOV, D.S.,

- KOTTHOFF, U., KRIWET, J., KUNZMANN, L., MCKELLAR, R.C., NEL, A., NÜTZEL, A., PERRICHOT, V., PINT, A., RAUHUT, O., SCHNEIDER, J.W., SCHRAM, F.R., SCHWEIGERT, G., SELDEN, P., SZWEDO, J., VAN BAKEL, B.W.M., VAN ELDIJK, T., VEGA, F.J., WANG, B. & REICH, M. 2020 (online first). Comment on the letter of the Society of Vertebrate Paleontology (SVP) dated April 21, 2020 regarding "Fossils from conflict zones and reproducibility of fossil-based scientific data": the importance of private collections. – PalZ. Paläontologische Zeitschrift, **94**: 413-429. DOI: 10.1007/s12542-020-00522-x.
155. HAUG, J.T., AZAR, D., ROSS, A., SZWEDO, J., WANG, B., ARILLO, A., BARANOV, V., BECHTELER, J., BEUTEL, R., BLAGODEROV, V., DELCLÒS, X., DUNLOP, J., FELDBERG, K., FELDMANN, R., FOTH, C., FRAAIJE, R.H.B., GEHLER, A., HARMS, D., HEDENÄS, L., HYŽNÝ, M., JAGT, J.W.M., JAGT-YAZYKOVA, E.A., JARZEMBOWSKI, E., KERP, H., KHINE, P.K., KIREJTSUK, A.G., KLUG, C., KOPYLOV, D.S., KOTTHOFF, U., KRIWET, J., MCKELLAR, R.C., NEL, A., NEUMANN, C., NÜTZEL, A., PEÑALVER, E., PERRICHOT, V., PINT, A., RAGAZZI, E., REGALADO, L., REICH, M., RIKKINEN, J., SADOWSKI, E.-M., SCHMIDT, A.R., SCHNEIDER, H., SCHRAM, F.R., SCHWEIGERT, G., SELDEN, P., SEYFULLAH, L.J., SOLÓRZANO-KRAEMER, M.M., STILWELL, J.D., VAN BAKEL, B.W.M., VEGA, F.J., WANG, Y., XING, L. & HAUG, C. 2020. Comment on the letter of the Society of Vertebrate Paleontology (SVP) dated April 21, 2020 regarding "Fossils from conflict zones and reproducibility of fossil-based scientific data": Myanmar amber. PalZ: Paläontologische Zeitschrift, **94**: 431-437. DOI: 10.1007/s12542-020-00524-9.
154. LÓPEZ-ROMERO, F., STUMPF S., PFAFF C., MARRAMÀ G., JOHANSON, Z. & KRIWET, J. 2020. Evolutionary trends of the conserved neurocranium shape in angel sharks (Squatiniformes, Elasmobranchii). – Scientific Reports, **10**: 12582. DOI: 10.1038/s41598-020-69525-7.
153. LÓPEZ-ROMERO, F.A., KLIMPFINGER, C., TANAKA, S. & KRIWET, J. 2020. Growth trajectories of prenatal embryos of the deep-sea shark *Chlamydoselachus anguineus* (Chondrichthyes). – Journal of Fish Biology, **97**: 212-224. DOI: 10.1111/jfb.14352.
152. FEICHTINGER, I., ENGELBRECHT, A., LUKENEDER, A. & KRIWET, J. 2020. New chondrichthyans characterized by cladodont-like tooth morphologies from the Early Cretaceous of Austria, with remarks on the microstructural diversity of enameloid. – Historical Biology, **32**: 823-836. DOI: 10.1080/08912963.2018.1539971.
151. VILLAFAÑA, J.A., HERNANDEZ, S., ALVARADO, A., SHIMADA, K., PIMENTO, C., RIVADENEIRA, M.M. & KRIWET, J. 2020. First evidence of a palaeo-nursery area of the great white shark. – Scientific Reports, **10**: 8502 (8 pages). DOI: 10.1038/s41598-020-65101-1.
150. KRIWET, J. 2020. Novel insights into tooth row development: From old ideas to new concepts. – BioESSAYS, **42**: 2000045 (1 page). DOI: 10.1002/bies.202000045.
149. JAMBURA, P.L. & KRIWET, J. 2020. Articulated remains of the extinct shark, *Ptychodus* (Elasmobranchii, Ptychodontidae) from the Upper Cretaceous of Spain provide insights into gigantism, growth rate and life history of ptychodontid sharks. – Plos One, **15**: e0231544 (16 pages). DOI: 10.1371/journal.pone.0231544.
148. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., CARNEVALE, G. & KRIWET, J. 2020. A revision of the Upper Cretaceous shark *Ptychodus mediterraneus* Canavari, 1916 from Italy, with a reassessment of *P. latissimus* and *P. polygyrus*

- Agassiz, 1835 (Chondrichthyes; Elasmobranchii). – Cretaceous Research, **110**: 104386 (37 pages). DOI: 10.1016/j.cretres.2020.104386.
147. JAMBURA, P.L., TÜRTSCHER, J., KINDLIMANN, R., METSCHER, B., G., PFAFF, C., STUMPF, S., WEBER, G. & KRIWET J. 2020. Evolutionary trajectories of tooth histology patterns in modern sharks (Chondrichthyes, Elasmobranchii). – Journal of Anatomy, **236**: 753–771. DOI: 10.1111/joa.13145.
146. FERREIRA, G.S., LAUTENSCHLAGER, S., EVERAERT, S.W., PFAFF, C., KRIWET, J. & WENEBURG, I. 2020. Feeding biomechanics suggests progressive correlation of skull architecture and neck evolution in turtles. – Scientific Reports, **10**, 5505. DOI: 10.1038/s41598-020-62179-5.
145. SLATER, T.S., ASHBROOK, K. & KRIWET, J. 2020. Interrelationships of bullhead sharks (Chondrichthyes: Heterodontiformes) and implications for the extinction of the Jurassic heterodontiform, †*Paracestracion*. – Papers in Palaeontology, **6**: 425–437. DOI: 10.1002/spp2.1299.
144. SLATER, T.S., ASHBROOK, K., KRIWET, J. 2020, Data from: Evolutionary relationships among bullhead sharks (Chondrichthyes: Heterodontiformes). – Dryad, Dataset, v3. DOI: 10.5061/dryad.6p4f83q.

## 2019

143. VILLAFAÑA, J., MARRAMÀ, G., HERNANDEZ, S., CARILLO-BRICEÑO, J., HOVESTADT, D., KINDLIMANN, R. & KRIWET, J. 2019. The Neogene fossil record of *Aetomylaeus* (Elasmobranchii, Myliobatidae) from the south-eastern Pacific. – Journal of Vertebrate Paleontology: **39**: e1577251 (11 pages). DOI: 10.1080/02724634.2019.1577251.
142. VILLAFAÑA, J., NIESLEN, S.N., KLUG, S. & KRIWET, J. 2019. Early Miocene cartilaginous fishes (Chondrichthyes: Holocephali, Elasmobranchii) from Chile: Diversity and palaeobiogeographic implications. – Journal of South American Earth Sciences, **96**: 102317 (20 pages). DOI: 10.1016/j.jsames.2019.102317.
141. STUMPF, S., SCHEER, U. & KRIWET, J. 2019. A new genus and species of extinct ground sharks, †*Diprosopovenator hilperti* gen. et sp. nov. (Carcharhiniformes, †Pseudoscyliorhinidae fam. nov.), from the Late Cretaceous of Germany. – Journal of Vertebrate Paleontology: **39**: e1593185 (16 pages). DOI: 10.1080/02724634.2019.1593185.
140. CAWLEY, J.J. & KRIWET, J. 2019. A new pycnodontid fish *Flagellipinna rhomboides* (Neopterygii, Pycnodontiformes) from the Upper Cretaceous (Cenomanian) of Lebanon, with notes on juvenile form and ecology. – Journal of Vertebrate Paleontology, **39**: e1614012 (16 pages). DOI: 10.1080/02724634.2019.1614012.
139. STUMPF, S. & KRIWET, J. 2019. A new Pliensbachian elasmobranch (Vertebrata, Chondrichthyes) assemblage from Europe, and its contribution to the understanding of late Early Jurassic elasmobranch diversity and distributional patterns. – PalZ, **93**: 637–658. DOI: 10.1007/s12542-019-00451-4.
138. MARRAMÀ, G., CARNEVALE, G., SMIRNOV, P.V., TRUBIN, Y.S. & KRIWET, J. 2019. First report of Eocene gadiform fishes from the Trans-Urals (Sverdlovsk and Tyumen Oblasts, Russia). – Journal of Paleontology, **93**: 1001–1009. DOI: 10.1017/jpa.2019.15.
137. MARRAMÀ, G., CARNEVALE, G., NAYLOR, G. & KRIWET, J. 2019 (online first). Mosaic of plesiomorphic and derived characters in an Eocene myliobatiform batomorph

- (Chondrichthyes, Elasmobranchs) from Italy defines a new, basal body plan in pelagic stingrays. – *Zoological Letters*: **5**:13. DOI: 10.1186/s40851-019-0128-0.
136. MARRAMÀ, G., CARNEVALE, G., GIUSBERTI, L., NAYLOR, G.J.P. & KRIWET, J. 2019. A bizarre Eocene dasyatoid batomorph (Elasmobranchii, Myliobatiformes) from the Bolca Lagerstätte (Italy) reveals a new, extinct body plan for stingrays. – *Scientific Reports*, **9**:14087. DOI: 10.1038/s41598-019-50544-y.
135. SCHNETZ, L., PFAFF, C., LIBOWITZKY, E., JOHANSON, Z., STEPANEK, R. & KRIWET, J. 2019. Morphology and evolutionary significance of phosphatic otoliths within the inner ears of cartilaginous fishes (Chondrichthyes). – *BMC Evolutionary Biology*, **19**, 238: 1–13. DOI: 10.1186/s12862-019-1568-z.
134. ENGELBRECHT, A., MÖRS, T., REGUERO, M.A. & KRIWET, J. 2019. Skates and Rays (Elasmobranchii, Batomorphii) from the Eocene La Meseta Formation, Seymour Island, Antarctica. – *Historical Biology*, **31**: 1028–1044. DOI: 10.1080/08912963.2017.1417403.
133. JAMBURA, P.L., KINDLIMANN, R., MARRAMÀ, G., PFAFF, C., STUMPF, S., TÜRTSCHER, J., UNDERWOOD, C.J., WARD, D.J. & KRIWET J. 2019. Micro-computed tomography imaging reveals the development of a unique tooth mineralization pattern in mackerel sharks (Chondrichthyes; Lamniformes) in deep time. – *Scientific Reports*, **9**, 9652: 1–13. DOI: 10.1038/s41598-019-46081-3.
132. PFAFF, C., KRIWET, J., KYLE, M. & JOHANSON, Z. 2019. Ontogenetic development of the otic region in the new model organism, *Leucoraja erinacea* (Chondrichthyes; Rajidae). – *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*, **109**: 104-115. DOI: 10.1017/S1755691018000993.
131. CAWLEY, J., KRIWET, J., KLUG, S. & BENTON, M. 2019. The stem group teleost *Pachycormus* (Pachycormiformes: Pachycormidae) from the Upper Lias (Lower Jurassic) of Strawberry Bank, UK. – *PalZ*, **93**: 285-302. DOI: 10.1007/s12542-018-0431-7.
130. WEN, W., HU, X., ZHANG, Q.Y., BENTON, M.J., KRIWET, J., CHEN, Z.Q., ZHOU, C.Y., XIE, T. & HUANG, J.Y. 2019. A new species of *Platysiagum* from Luoping Biota (Anisian, Middle Triassic, Yunnan, South China) reveals the relationship between Platysiagidae and Neopterygii. – *Geological Magazine*, **156**: 669-682. DOI: 10.1017/S0016756818000079.
129. MARRAMÀ, G., BANNIKOV, A.F., KRIWET, J. & CARNEVALE, G. 2019. An Eocene paraclupeid fish (Teleostei: Ellimmichthyiformes) from Bolca, Italy: The youngest marine record of double-armored herrings. – *Papers in Palaeontology*: **5**: 83-98. DOI: 10.1002/spp2.1230.
128. MARRAMÀ, G., SCHULTZ, O. & KRIWET, J. 2019. A new Miocene skate from Central Paratethys (Upper Austria): The first unambiguous skeletal record for the Rajiformes (Chondrichthyes: Batomorphii). – *Journal of Systematic Palaeontology*, **17**: 937–960. DOI: 10.1080/14772019.2018.1486336.
127. AMALFITANO, J., LUCA, G., FORNACIARI, E., DALLA VECCHIA, F.M., LUCIANI, V., KRIWET, J. & CARNEVALE, G. 2019. Large deadfalls of the ‘ginsu’ shark *Cretoxyrhina mantelli* (Agassiz, 1835) (Neoselachii, Lamniformes) from the Upper Cretaceous of northeastern Italy. – *Cretaceous Research*, **98**: 250–275. DOI: 10.1016/j.cretres.2019.02.003.
126. ROBIN, N., MARRAMÀ, VONK, R., KRIWET, J. & CARNEVALE, G. 2019. Eocene isopods on electric rays: tracking ancient biological interactions from a complex fossil record.

- Palaeontology, **62**: 287–303. DOI: 10.1111/pala.12398.
125. MARRAMÀ, G., CARNEVALE, G., NAYLOR, G. & KRIWET, J. 2019. Reappraisal of the Eocene whiptail stingrays of the Bolca Lagerstätte (Italy) and the possible Tethyan origin of neotrygonines (Myliobatiformes: Dasyatidae). – Zoologica Scripta, **48**: 168–184. DOI: 10.1111/zsc.12330.
124. PFAFF, C., KRIWET, J., KYLE, M. & JOHANSON, Z. 2019. 3D models related to the publication: Ontogenetic development of the otic region in the new model organism, *Leucoraja erinacea* (Chondrichthyes; Rajidae). – M3 Journal, **5**: e78 (2 pages). DOI: 10.1017/S1755691018000993.
123. MARRAMÀ, G., ENGELBRECHT, A., CARNEVALE, G. & KRIWET, J. 2019. Eocene sand tiger sharks (Lamniformes, Odontaspidae) from the Bolca Konservat-Lagerstätte, Italy: Palaeobiology, palaeobiogeography and evolutionary significance. – Historical Biology, **31**: 101–115. DOI.org/10.1080/08912963.2017.1341503.
122. SCHWAB, J.A., KRIWET, J., WEBER, G. & PFAFF, C. 2019. Carnivoran hunting style and phylogeny reflected in bony labyrinth morphometry. – Scientific Reports, **9**, 70: 1–9. DOI: 10.1038/s41598-018-37106-4.
121. KRIWET, J. & PFAFF, C. 2019. Evolutionary development of the postcranial and appendicular skeleton in fishes. – In: Johanson, Z., Underwood, C. & Richter, M. (eds.). Evolution and Development of Fishes: 188–206. Cambridge University Press, Cambridge. DOI:10.1017/9781316832172.012.
120. GOURLIC-CAVALLI, S., REMÍREZ, M., KRIWET, J. 2019. New pycnodontiform fishes (Actinopterygii, Neopterygii) from the Early Cretaceous of the Argentinian Patagonia. – Cretaceous Research, **94**: 45–58. DOI: 10.1016/j.cretres.2018.10.003.
119. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., LUCIANI, V., CARNEVALE, C. & KRIWET, J. 2019. First associated tooth set of a high-cusped *Ptychodus* (Chondrichthyes, Elasmobranchii) from the Upper Cretaceous of northeastern Italy, and resurrection of *Ptychodus altior* Agassiz, 1835. – Cretaceous Research, **93**: 330–345. DOI: 10.1016/j.cretres.2018.10.002.

## 2018

118. MARRAMÀ, G., CARNEVALE, G. KRIWET, J. 2018. New observations on the anatomy and paleobiology of the Eocene requiem shark †*Eogaleus bolcensis* (Carcharhiniformes, Carcharhinidae) from Bolca Lagerstätte, Italy. – Comptes rendus Palevol, **17**: 443-459. DOI: 10.1016/j.crpv.2018.04.005.
117. MARRAMÀ G., CARNEVALE, G., ENGELBRECHT, A., CLAESON, K.M., ZORZIN, R., FORNASIERO, M. & KRIWET, J. 2018. A synoptic review of the Eocene (Ypresian) cartilaginous fishes (Chondrichthyes: Holocephali, Elasmobranchii) of the Bolca Konservat-Lagertätte, Italy. – Paläontologische Zeitschrift, **92**: 283–313. DOI: 10.1007/s12542-017-0387-z.
116. MARRAMÀ, G., CLAESON, K.M., CARNEVALE, G. & KRIWET, J. 2018. Revision of Eocene electric rays (Torpediniformes, Batomorphii) from the Bolca Konservat-Lagerstätte, Italy, reveals the first fossil embryo in situ in batoids and provides new insights into the origin of trophic novelties in coral reef fishes. Journal of Systematic Palaeontology, **16**: 1189-1219. DOI: 10.1080/14772019.2017.1371257
115. MARRAMÀ, G., KLUG, S., DE VOS, J. & KRIWET, J. 2018. Anatomy, relationships and

- palaeobiogeographic implications of the first Neogene holomorphic stingray (Myliobatiformes, Dasyatidae) from the early Miocene of Sulawesi, Indonesia, SE Asia. *Zoological Journal of the Linnenan Society*, **184**: 1142–1168. DOI: 10.1093/zoolinnean/zly020.
114. GIUSBERTI, L., AMADORI, M., AMALFITANO, J., CARNEVALE, G. & **KRIWET, J.** 2018. Remarks on the nomenclature of the genera *Ptychodus* Agassiz, 1834 and *Buffonites* Sternberg, 1829 (Ptychodontidae, Chondrichthyes). – *Bulletino della Società Paleontologica Italiana*, **57**: 251–253. DOI: 10.4435/BSPI.2018.15.
  113. GUINOT, G., ADNET, S., SHIMADA, K., UNDERWOOD, C.J., SIVERSSON, M., WARD, D.J., **KRIWET, J.** & CAPPETTA, H. 2018. On the need of providing tooth morphology in descriptions of extant elasmobranch species. – *Zootaxa*, **4461**: 118–126. DOI: 10.11646/zootaxa.4461.1.8.
  112. JAMBURA, P.L., PFAFF, C., UNDERWOOD, C.J., WARD, D. & **KRIWET, J.** 2018. Tooth mineralization and histology patterns in extinct and extant snaggletooth sharks, *Hemipristis* (Carcharhiniformes, Hemigaleidae) – evolutionary significance or ecological adaptation? – *PLoS ONE*, **13**: e0200951. DOI: 10.1371/journal.pone.0200951.
  111. CAWLEY, J.J., MARRAMÀ, G., CARNEVALE, G. & **KRIWET, J.** 2018. A quantitative approach to determine the taxonomic identity and ontogeny of the pycnodontiform fish *Pycnodus* (Neopterygii, Actinopterygii) from the Eocene of Bolca Lagerstätte, Italy. – *PeerJ*, **6**: e4809. DOI: 10.7717/peerj.4809.
  110. MARRAMÀ, G., ENGELBRECHT, A., MÖRS, T., REGUERO, M.R. & **KRIWET, J.** 2018. The southernmost occurrence of *Brachycarcharias* (Lamniformes, Odontaspidae) from the Eocene of Antarctica provides new information about the palaeobiogeography and palaeobiology of Palaeogene sand tiger sharks. – *Rivista Italiana di Paleontologia e Stratigrafia* (Research In Paleontology and Stratigraphy), **124**: 283–298. DOI: 10.13130/2039-4942/9985.
  109. FUCHS, I., ENGELBRECHT, A., LUKENEDER, A. & **KRIWET, J.** 2018. New Early Cretaceous sharks (Chondrichthyes, Elasmobranchii) from deep-water deposits of Austria. – *Cretaceous Research*, **84**: 245–257. DOI: 10.1016/j.cretres.2017.11.013
  108. SMITH, M.M., UNDERWOOD, C.J., CLARK, B., **KRIWET, J.** & JOHANSON, Z. 2018. Development and evolution of tooth renewal in neoselachian sharks as a model for transformation in chondrichthyan dentitions. – *Journal of Anatomy*, **232**: 891–907. DOI: 10.1111/joa.12796.

## 2017

107. ENGELBRECHT, A., MÖRS, T., REGUERO, M. & **KRIWET, J.** 2017. New carcharhiniform sharks (Chondrichthyes, Elasmobranchii) from the early to middle Eocene, of Seymour Island, Antarctic Peninsula. – *Journal of Vertebrate Paleontology*, **37**: e1371724 (25 pages). DOI: 10.1080/02724634.2017.1371724.
106. STUMPF, S., ANSORGE, J., PFAFF, C. & **KRIWET, J.** 2017. Early Jurassic diversification of pycnodontiform fishes (Actinopterygii, Neopterygii) after the end-Triassic extinction event: Evidence from a new genus and species, *Grimmenodon aureum*. – *Journal of Vertebrate Paleontology*, **37**: e1344679 (14 pages). DOI: 10.1080/02724634.2017.1344679.
105. CAWLEY, J.J. & **Kriwet, J.** 2017. A new pycnodont fish, *Scalacurvichthys naishi*, gen. et sp. nov. from the Late Cretaceous of the Middle East. – *Journal of Systematic*

Palaeontology, **16**: 659–673. DOI.org/10.1080/14772019.2017.1330772.

104. HUBER, C., ABERT, C., BRUCKNER, F., PFAFF, C., KRIWET, J., GROENEFELD, M., TELIBAN, I., VOGLER, C. & SUESS, D. 2017. Topology optimized and 3D printed polymer-bonded permanent magnets for a predefined external field. – Journal of Applied Physics, **122**: 053904 (7 pages). DOI: 10.1063/1.4997441.
103. PUTTICK, M., KRIWET, J., HU, S., WEN WEN, THOMAS, G.H. & BENTON, M. 2017. Body size of bony fishes was not a selective factor during the biggest mass extinction of all time. – Palaeontology, **60**: 727–741. DOI: 10.1111/pala.12309.
102. KRIWET, J. 2017. Der Hai *Janassa bituminosa* aus dem Tecklenburger Land. – In: SCHEER, U., STOTTROP, U. & RUHR MUSEUM (eds): Erdgeschichten. Geologie im Ruhr Museum: 128-129. Verlag der Buchhandlung Walther König, Essen. [in German]\*.
101. MARRAMÀ, G. & KRIWET, J. 2017. Principal component and discriminant analyses as powerful tools to support taxonomic identification and their use for functional and phylogenetic signal detection of isolated fossil shark teeth. – PLOS ONE, **12**: e0188806. DOI: 10.1371/journal.pone.0188806.
100. CAWLEY, J. & KRIWET, J. 2017. Possible sexual dimorphism in *Pankowskischthys* (Neopterygii, Pycnodontiformes) from the Cenomanian, Haqel, Lebanon. – Research & Knowledge, **1**: 33–35. DOI: 10.14456/randk.2017.8.
99. CAWLEY, J. & KRIWET, J. 2017. New information about Late Cretaceous pycnodont fishes (Actinopterygii, Pycnodontiformes) from the Near East. – Research & Knowledge, **3**: 47–48. DOI: 10.14456/randk.2017.12.
98. AMALFITANO, J., GIUSBERTI, L., DALLA VECCHIA, F.M. & KRIWET, J. 2017. First skeletal remains of the giant sawfish *Onchosaurus* (Neoselachii, Sclerorhynchiformes) from the Upper Cretaceous of northeastern Italy. – Cretaceous Research, **69**: 124–135. DOI: 10.1016/j.cretres.2016.09.005.
97. SCHWARZHANS, W., MÖRS, T., KRIWET, J., ENGELBRECHT, A. & REGUERO, M. 2017. Before the Freeze: Otoliths from the Eocene 1 of Seymour Island, Antarctica, reveal Dominance of Gadiform Fishes (Teleostei). – Journal of Systematic Palaeontology, **15**: 147–170. DOI: 10.1080/14772019.2016.1151958.
96. SCHNETZ, L., KRIWET, J. & PFAFF, C. 2017. Virtual reconstruction of the skeletal labyrinth of two lamnid sharks (Elasmobranchii, Lamniformes). – Journal of Fish Biology, **90**: 1083–1089. DOI: 10.1111/jfb.13219.
95. PFAFF, C., CZERNY, S., KAINEDER, G., NAGEL, D. & KRIWET, J. 2017. Functional morphological adaptations of the bony labyrinth in marsupials (Mammalia, Theria). – Journal of Morphology, **278**: 742–749. DOI: 10.1002/jmor.20669.
94. PFAFF, C., NAGEL, D., GUNNEL, G., WEBER, G.W., KRIWET, J., MORLO, M. & BASTL, K. 2017. Paleobiology of the European *Hyaenodon exiguus* (Hyaenodonta, Mammalia) based on the first description of the bony labyrinth. – Journal of anatomy, **230**: 282–289. DOI: 10.1111/joa.12545.
93. ENGELBRECHT, A., MÖRS, T., REGUERO, M. & KRIWET, J. 2017. Eocene squalomorph sharks (Chondrichthyes, Elasmobranchii) from Antarctica. – Journal of South American Earth Sciences, **78**: 175–189. DOI.org/10.1016/j.sames.2017.07.006.
92. ENGELBRECHT, A., MÖRS, T., REGUERO, M. & KRIWET, J. 2017. A new sawshark, *Pristiophorus laevis*, from the Eocene of Antarctica with comments on *Pristiophorus lanceolatus*. – Historical Biology, **29**: 841–853. DOI:

10.1080/08912963.2016.1252761.

91. ENGELBRECHT, A., MÖRS, T., REGUERO, M. & KRIWET, J. 2017. Revision of Eocene Antarctic carpet sharks (Elasmobranchii, Orectolobiformes) from Seymour Island, Antarctic Peninsula. – *Journal of Systematic Palaeontology*: **15**: 969–990. DOI.org/10.1080/14772019.2016.1266048.

## **2016**

90. SCHNETZ, L., PFAFF, C. & KRIWET, J. 2016. Tooth replacement and histology patterns in lamniform sharks (Elasmobranchii, Lamniformes). – *Journal of Morphology*, **277**: 1584–1598. DOI: 10.1002/jmor.20597.
89. PFAFF, C., ZORZIN, R. & KRIWET, J. 2016. Evolution of the locomotory system in eels (Teleostei: Elopomorpha). – *BMC Evolutionary Biology*, **16**:159 (11 pages). DOI: 10.1186/s12862-016-0728-7.
88. KRIWET, J., ENGELBRECHT, A., MÖRS, T., REGUERO, M. & PFAFF, C. 2016. Ultimate Eocene (Priabonian) chondrichthyans (Holocephali, Elasmobranchii) of Antarctica. – *Journal of Vertebrate Paleontology*, **36**. e1160911 (19 pages). DOI: 10.1080/02724634.2016.1160911.
87. KRIWET, J. & KLUG, S. 2016. Crassodontidae, a replacement name for Crassonotidae Kriwet and Klug, 2011 (Chondrichthyes, Hexanchiformes). – *Journal of Vertebrate Paleontology*, **36**:e1119698 (1 page). DOI: 10.1080/02724634.2016.1119698.
86. NAGLER, C., HAUG, C., RESCH, U., KRIWET, J. & HAUG, J.T. 2016. A 150 million years old “very hungry caterpillar”: first fossil record of cymothoid isopods parasitizing on fishes. – *Bulletin of Geosciences*, **91**: 1–12. DOI: 10.3140/bull.geosci.1586.
85. ROMANO, C., R., KOOT, M., KOGAN, I., BRAYARD, A., MINIKH, A., BRINKMAN, W., BUCHER, H. & KRIWET, J. 2016. Permian-Triassic Osteichthyes (bony fishes): Diversity dynamics and body size evolution. – *Biological Reviews*, **91**: 106–147. DOI: 10.1111/brv.12161.

## **2015**

84. LICHT, M., KRIWET, J. & BUCHWIT, M. 2015. Body size variation in pycnodontiform fishes from the Late Jurassic of Lower Saxony (Northern Germany) as a consequence of interspecific competition? – *Paläontologische Zeitschrift*, **89**: 891–900. DOI: 10.1007/s12542-015-0258-4.
83. KRIWET, J. & KLUG, S. 2015. Cartilaginous fishes of the Upper Jurassic Plattenkalks of Solnhofen. – In: Arratia, G., Schultze, H.-P., Tischlinger, H. & Viohl, G. (eds): *Solnhofen - Ein Fenster in die Jurazeit*: 334–359. Verlag Dr. Friedrich Pfeil, Munich. [in German].
82. SMITH, M.M., RILEY, A., FRASER, G.J., UNDERWOOD, C., WELTEN, M., KRIWET, J., PFAFF, C. & JOHANSON, Z. 2015. Fossil ray rostrum saw-teeth reveal their early development and demonstrate convergent evolution with dentitions. – *Proceedings of the Royal Society B*, **282**: 20151628. DOI: 10.1098/rspb.2015.1628.
81. KRIWET, J. & MEWIS, H. & HAMPE, O. 2015. A partial skeleton of a new mackerel shark (Chondrichthyes, Lamniformes) from the Miocene of Europe. – *Acta Palaeontologica Polonica*, **60**: 857–875. DOI: 10.4202/app.00066.2014.

## 2014

80. STEPANEK, R. & KRIWET, J. 2014. Comparative morphology of the juvenile skeleton in freshwater stingrays with special focus on *Paratrygon aiereba* (Myliobatiformes: Potamotrygonidae). – *Zoologischer Anzeiger*, **255**: 7–24.
79. KRIWET, J. & KLUG, S. 2014. Dental patterns of the stem-group hexanchoid shark, *Notidanoides muensteri* (Elasmobranchii, Hexanchiformes). – *Journal of Vertebrate Paleontology*, **34**: 1292–1306.
78. KRIWET, J. & LEHMANN, M. 2014. Kieferrest eines Knorpelfisches aus einer ptolomäischen Siedlung Ägyptens. – *Jahreshefte des Österreichischen Archäologischen Instituts in Wien*, **22**: 105–108.\*
77. LICHT, M., FISCHER, J., KRIWET, J., SCHNEIDER, J.W., BUCHWITZ, M. & BARTSCH, P. 2014. Egg capsule morphology provides new information about the interrelationships of chondrichthyan fishes. – *Journal of Systematic Palaeontology*, **12**: 389–399.

## 2013

76. KLUG, S. & KRIWET, J. 2013. An offshore fish assemblage (Elasmobranchii, Actinopterygii) from the Late Jurassic of NE Spain. – *Paläontologische Zeitschrift*, **87**: 235–257.
75. KLUG, S. & KRIWET, J. 2013. Node age estimations and the origin of angel sharks, Squatiniformes (Neoselachii, Squalomorphii). – *Journal of Systematic Paleontology*, **11**: 91–110.

## 2012

74. KRIWET, J. & KLUG, S. 2012. Presence of the extinct sawfish, *Onchosaurus* (Neoselachii, Sclerorhynchiformes) in the Late Cretaceous of Peru with a review of the genus. – *Journal of South American Earth Sciences* **39**: 52–58.
73. STEPANEK, R. & KRIWET, J. 2012. Contributions to the skeletal anatomy of freshwater stingrays (Chondrichthyes, Myliobatiformes): 1. Morphology of male *Potamotrygon motor* from South America. – *Zoosystematics and Evolution* **88**: 145–159.
72. KRIWET, J. 2012. *Palaeoniscum freieslebeni*. In Martin, T. v. Königswald, W., Radtke, G. & Rust, J. (eds). *Paläontologie – 100 Jahre Paläontologischen Gesellschaft*. Verlag Dr. Friedrich Pfeil (Munich): 84.\*

## 2011

71. KRIWET, J. & KLUG, S. 2011. A new Jurassic cow shark (Chondrichthyes, Hexanchiformes) with comments on Jurassic hexanchiform systematics. – *Swiss Journal of Geosciences*, **104** (Suppl. 1): 107–114.
70. STRAUBE, N., DUHAMEL, G., GASCO, N., KRIWET, J. & SCHLIEWEN, U.K. 2011. Description of a new deep-sea lantern shark, *Etmopterus viator* n. sp. (Squaliformes: Etmopteridae) from the southern hemisphere. – In: Duhamel, G. & Welsford, D. (eds): *The Kerguelen Plateau, Marine Ecosystem and Fisheries*: 137–150. Société Française d’Ichtyologie (Paris).
69. KRIWET, J. & KLUG, S. 2011. An embryonic mandibular tooth plate and associated remains of a Late Jurassic chimaeroid (Holocephali, Chimaeriformes) from the Iberian Peninsula. – *Journal of Vertebrate Paleontology*, **31**: 954–961.

68. STRAUBE, N., KRIWET, J. & SCHLIEWEN, U. 2011. Cryptic diversity and species assignment of large lantern sharks of the *Etmopterus spinax* clade from the Southern Hemisphere (Squaliformes, Etmopteridae). – *Zoologica Scripta*, **40**: 61–75.

## 2010

67. STRAUBE, N., IGLESIAS, S.P., SELLOS, D.Y., KRIWET, J. & SCHLIEWEN, U. 2010. Molecular phylogeny and node time estimation of bioluminescent lantern sharks (Elasmobranchii: Etmopteridae). – *Molecular Phylogenetics and Evolution*, **56**: 905–917.
66. STELBRINK, B., RINTELEN, T. von, CLIFF, G. & KRIWET, J. 2010. Molecular systematics and global phylogeography of angel sharks (Genus *Squatina*). – *Molecular Phylogenetics and Evolution*, **54**: 395–404.
65. KLUG, S. & KRIWET, J. 2010. Timing of deep-sea adaptation in dogfish sharks: insights from a supertree of extinct and extant taxa. – *Zoologica Scripta*, **39**: 331–342.
64. KRIWET, J., ENDO, H. & STELBRINK, B. 2010. On the occurrence of the Taiwan angel shark, *Squatina formosa* Shen & Ting, 1972 (Chondrichthyes, Squatinidae) from Japan. – *Zoosystematics and Evolution*, **86**: 117–124.
63. SCHMITZ, L., THIES, D. & KRIWET, J. 2010. Two new lamniform sharks (*Leptostyrax stychi* sp. nov. and *Protolamna sarstedtensis* sp. nov.) from the Early Cretaceous (Early Barremian) of NW Germany. – *Neues Jahrbuch für Geologie und Paläontologie*, **257**: 283–296.
62. KLUG, S. & KRIWET, J. 2010. A new Late Jurassic species of the rare synechodontiform shark, *Welcommia* (Chondrichthyes, Neoselachii). – *Paläontologische Zeitschrift*, **84**: 413–419.

## 2009

61. SCHNEIDER, S., BERNING, B., BITNER, A., CARRIOL, R.-P., JÄGER, M., KRIWET, J., KROH, A. & WERNER, W. 2009. A paraautochthonous shallow marine fauna from the Late Burdigalian (early Otnangian) of Gurlarn (Lower Bavaria, SE Germany): Macrofaunal inventory and paleoecology. – *Neues Jahrbuch für Geologie und Paläontologie*, **254**: 63–103.
60. KRIWET, J. & KLUG, S. 2009. Fossil record and origin of squaliform sharks (Chondrichthyes, Neoselachii). – In: Gallucci, V., McFarlane, G. & Bargmann, G. (eds): *Biology and Management of dogfish sharks*: 19–38. American Fisheries Society, Bethesda (Maryland).
59. KLUG, S., KRIWET, J., BÖTTCHER, R., SCHWEIGERT, G. & DIETL, G. 2009. Skeletal anatomy of the extinct shark *Paraorthacodus jurensis* (Chondrichthyes; Palaeospinacidae), with comments on synechodontiform and palaeospinacid monophyly. – *Zoological Journal of the Linnean Society*, **157**: 107–134.
58. KRIWET, J., KIESSLING, W. & KLUG, S. 2009. Diversification trajectories and evolutionary life-history traits in early sharks and batoids. – *Proceedings of the Royal Society of London, Biology*, **276**: 945–951.
57. KRIWET, J., NUNN, E.V. KLUG, S. 2009. Neoselachians (Chondrichthyes, Elasmobranchii) from the Lower and lower Upper Cretaceous of north-eastern Spain. – *Zoological Journal of the Linnean Society*, **155**: 316–347.

## 2008

56. KRIWET, J., KLUG, S., CANUDO, J.I. & CUENCA-BESCOS, G. 2008. A new Early Cretaceous lamniform shark: *Eoptolamna eccentricocephala* gen. et sp. nov. (Chondrichthyes, Neoselachii). – *Zoological Journal of the Linnean Society*, **154**: 278–290.
55. CARVALO, M.R. DE, KRIWET, J. & THIES, D. 2008. Anatomy of Late Jurassic squatinoids and resurrection of *Pseudorhina*. – In: G. ARRATIA, SCHULTZE, H.-P. & WILSON, M.V.H. (eds.): *Mesozoic Fishes 4*: 469–502. Verlag Dr. Friedrich Pfeil, München.
54. KLUG, S., KRIWET, J., LIRIO, M. & NUÑEZ, H. 2008. Taxonomy of Upper Cretaceous synechodontiforms (Chondrichthyes, Neoselachii) from Antarctica. – In: G. ARRATIA, SCHULTZE, H.-P. & WILSON, M.V.H. (eds.): *Mesozoic Fishes 4*: 455–467. Verlag Dr. Friedrich Pfeil, München.
53. KRIWET, J. 2008. A Late Jurassic carpetshark (Neoselachii, Orectolobiformes) from southern Germany. – In: G. ARRATIA, SCHULTZE, H.-P. & WILSON, M.V.H. (eds.): *Mesozoic Fishes 4*: 443–454. Verlag Dr. Friedrich Pfeil, München.
52. KRIWET, J. 2008. Erratum. – *Journal of Vertebrate Paleontology*, **28**: 578.
51. KRIWET, J. & HECHT, T. 2008. A review early gadiform evolution and diversification: first record of a rattail fish skull (Gadiformes, Macrouridae) from the Eocene of Antarctica, with otoliths preserved. – *Naturwissenschaften*, **95**: 899–907.
50. KRIWET, J. 2008. A new species of extinct bullhead sharks, *Paracestracion viohli* sp. nov. (Neoselachii, Heterodontiformes), from the Upper Jurassic of South Germany – *Acta Geologica Polonica*, **58**: 235–241.
49. KRIWET, J. 2008. The dentition of the enigmatic pycnodont fish, *Athrodon wittei* Fricke, 1876 (Neopterygii; Pycnodontiformes), from the Late Jurassic of NW Germany. – *Fossil Record*, **11**: 77–82.
48. KRIWET, J. & KLUG, S. 2008. Diversity and biogeography patterns of Late Jurassic neoselachians (Chondrichthyes, Elasmobranchii). – In: CAVIN, L., LONGBOTTOM, A. & RICHTER, M. (eds.): *Fishes and the Break-up of Pangaea*. Geological Society, London, Special Publications, **295**: 55–69.
47. STRAUBE, N., SCHLIEWEN, U. & KRIWET, J. 2008. Dental structure of the Giant lantern shark *Etmopterus baxteri* (Chondrichthyes: Squaliformes) and its taxonomic implications. – *Environmental Biology of Fishes*, **82**: 133–141.
46. KLUG, S. & KRIWET, J. 2008. A new basal galeomorph shark (Synchodontiformes, Neoselachii) from the Early Jurassic of Europe. – *Naturwissenschaften*, **95**: 443–448.
45. KRIWET, J., WITZMANN, F. & KLUG, S. 2008. First direct evidence of a vertebrate three-level trophic chain in the fossil record. – *Proceedings of the Royal Society of London, Biology*, **275**: 181–186. [Editors' choice paper in *Nature* 450, p. 138 (2007)]

## 2007

44. KRIWET, J., SOLER-GIJÓN, R. & LÓPEZ-MARTÍNEZ, N. 2007. Neoselachian faunas from the upper Campanian and lower Maastrichtian (Upper Cretaceous) of the southern Pyrenees (northern Spain). – *Palaeontology*, **50**: 1–21.

43. PUCÉAT, E., LÉCUYER, C., DONNADIEU, Y., NAVAU, P., CAPPETTA, H., RAMSTEIN, G., HUBER, B.T. & KRIWET, J. 2007. Fish tooth  $\delta^{18}\text{O}$  revising Late Cretaceous meridional upper ocean water temperature gradients. – *Geology*, **35**: 107–110.

## **2006**

42. KLUG, S. & KRIWET, J. 2006. Anatomy and systematics of the Early Jurassic neoselachian shark *Synechodus smith-woodwardi* (Fraas, 1896) from southern Germany. – *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte*, **2006**: 193–211.
41. KRIWET, J., LIRIO, M., NUÑEZ, H., PUCEAT, E. & LÉCUYER, C. 2006. Late Cretaceous Antarctic fish diversity. – In: PIRRIE, D., FRANCIS, J. E. & CRAME J. A. (eds.): Cretaceous-Tertiary high-latitude palaeoenvironments, James Ross Basin, Antarctica. Geological Society of London Special Publication, **258**: 83–100.
40. KRIWET, J., THIES, D. & MÜLLER, A. 2006. *Paraphorosoides* gen. nov., a replacement name for *Palaeomicroides* Thies and Müller, 1993 (Chondrichthyes, Squaliformes), a preoccupied name. – *Journal of Vertebrate Paleontology*, **26**: 487.
39. KRIWET, J. 2006. Biology and dental morphology of *Priscusurus adruptodontus* gen. et sp. nov. (Chondrichthyes, Lamniformes) from the Albian (Early Cretaceous) of Peru. – *Journal of Vertebrate Paleontology*, **26**: 583–543.

## **2005**

38. KISSLING, W., ARAGÓN, E., SCASSO, R., ABERHAN, M., KRIWET, J., FRACCHIA, D., MEDINA, F. 2005. Massive corals in Paleocene siliciclastic sediments of Chubut (Patagonia, Argentina). – *Facies*, **51**: 233–241.
37. KRIWET, J. & SCHMITZ, L. 2005. New insight into the distribution and palaeobiology of the pycnodont fish *Gyrodus*. – *Acta Palaeontologica Polonica*, **50**: 49–56.
36. KRIWET, J. 2005. A comprehensive study of the skull and dentition of pycnodont fishes (Neopterygii, Pycnodontiformes). – *Zitteliana*, **45**: 135–188.
35. KRIWET, J. 2005. Additions to the Eocene selachian fauna of Antarctica with comments on Antarctic selachian diversity. – *Journal of Vertebrate Paleontology*, **25**: 1–7.
34. KRIWET, J. 2005. An amioid fish (Neopterygii, Amiiformes) from the Late Jurassic of the Iberian Peninsula. – *Geobios*, **38**: 99–106.

## **2004**

33. KRIWET, J. & KLUG, S. 2004. Late Jurassic selachians (Chondrichthyes, Elasmobranchii) from southern Germany: Re-evaluation on taxonomy and diversity. – *Zitteliana*, **A44**: 67–95.
32. DELSATE, D. & KRIWET, J. 2004. Late Triassic pycnodont fish remains (Neopterygii, Pycnodontiformes) from the Germanic basin. – *Eclogae geologicae Helvetiae*, **97**: 183–191.
31. KRIWET, J. & BENTON, M. 2004. Neoselachian (Chondrichthyes, Elasmobranchii) diversity across the K/T boundary. – *Palaeogeography, Palaeoclimatology, Palaeoecology*, **214**: 181–194.

30. ARRATIA, G., LÓPEZ-ARBARELLO, A., PRASAD, G.V.R., PARNAR, V. & KRIWET, J. 2004. Late Cretaceous-Paleocene percomorphs (Teleostei) from India – Early radiation of Perciformes. – In: G. ARRATIA & CLOUTIER, R. (eds.): Recent advances in Vertebrate Paleontology: 635–655; Verlag Dr. Friedrich Pfeil, München.
29. KRIWET, J. 2004. A new pycnodont fish genus (Neopterygii: Pycnodontiformes) from the Cenomanian (Upper Cretaceous) of Mount Lebanon and its interrelationships. – Journal of Vertebrate Paleontology, **24**: 525–532.
28. KRIWET, J. 2004. The systematic position of the Cretaceous sclerorhynchid sawfishes (Elasmobranchii, Pristiorajea). – In: G. ARRATIA & TINTORI, A. (eds.): Mesozoic Fishes 3 – Systematics, Paleoenvironment and Biodiversity: 57–74; Verlag Dr. Friedrich Pfeil, München.
27. KRIWET, J. 2004. Late Jurassic selachians (Chondrichthyes: Hybodontiformes, Neoselachii) from Central-Portugal. – Neues Jahrbuch für Geologie und Paläontologie, Monatshefte, **4**: 233–256.

## 2003

26. KRIWET, J. & GAZDZICKI, A. 2003. A new Chimeroid fish (Chondrichthyes, Holocephali) from the Eocene La Meseta Fm. of Seymour Island. – Polish Polar Research, **24**: 29–51.
25. KRIWET, J. 2003. Dental Morphology of the pycnodont fish †*Stemmatodus rhombus* (Agassiz 1844) (Neopterygii, †Pycnodontiformes) from the Early Cretaceous with comments on its systematic position. – Transactions of the Royal Society of Edinburgh, **94**: 145–155.
24. KRIWET, J. 2003. Lancetfish teeth (Neoteleoste, Alepisauroidae) from the Early Cretaceous of Alcaine, NE Spain. – Lethaia, **36**: 323–331.
23. KRIWET, J. 2003. Neoselachian remains (Chondrichthyes, Elasmobranchii) from the Middle Jurassic of SW Germany and NW Poland. – Acta Palaeontologica Polonica, **48**: 587–598.
22. KRIWET, J. 2003. First record of Early Cretaceous shark (Chondrichthyes, Neoselachii) from Antarctica. – Antarctic Science, **15**: 519–523.

## 2002

21. ABERHAN, M., BUSSERT, R., HEINRICH, W.-D., SCHRANK, E., SCHULTKA, S., SAMES, B., KRIWET, J. & KAPILIMA, S. 2002. Palaeoecology and depositional environments of the Tendaguru Beds (Late Jurassic to Early Cretaceous, Tanzania). – Mitteilungen aus dem Museum für Naturkunde Berlins, Geowissenschaftliche Reihe, **5**: 19–44.
20. ARRATIA, G., KRIWET, J. & HEINRICH, W.-D. 2002. Selachians and actinopterygians from the Upper Jurassic of Tendaguru, Tanzania. – Mitteilungen aus dem Museum für Naturkunde zu Berlin, Geowissenschaftliche Reihe, **5**: 207–230.
19. KRIWET, J. 2002. Pycnodont fish remains (Neopterygii: Pycnodontiformes) from the Upper Jurassic of the Lusitanian basin. – Neues Jahrbuch für Geologie und Paläontologie, Monatshefte, **10**: 577–587.
18. KRIWET, J. 2002. *Anomoeodus pauciseriale*, a new pycnodont fish (Neopterygii, Pycnodontiformes) from the White Chalk Formation (Upper Cretaceous) of Sussex, South England – Paläontologische Zeitschrift, **76**: 117–123.

## 2001

17. KRIWET, J. & KUSSIUS, K. 2001. Paleobiology and Paleobiogeography of slerorhynchid sawfishes (Chondrichthyes, Batomorphii). – Revista española de Paleontología, nº extraordinario: 35–46.
16. KRIWET, J. 2001. Feeding mechanisms and ecology of pycnodont fishes (Neopterygii, †Pycnodontiformes). – Mitteilungen aus dem Museum für Naturkunde zu Berlin, Geowissenschaftliche Reihe, **4**: 139–165.
15. KRIWET, J. 2001. Palaeobiogeography of pycnodontiform fishes (Actinopterygii, Neopterygii). – Seminario de Paleontología de Zaragoza, **5.1**: 121–130.

## 2000

14. KRIWET, J. 2000. Revision of *Mesturus cordillera* MARTILL et al., 1998 (Actinopterygii, Pycnodontiformes) from the Oxfordian (Upper Jurassic) of northern Chile. – Journal of Vertebrate Paleontology, **20**: 450–455.
13. KRIWET, J. 2000. The fish fauna from the Guimarota mine. – In: MARTIN, TH. & KREBS, B. (eds.): Guimarota – A Jurassic ecosystem: 41–50; München

## 1999

12. KRIWET, J., POYATO-ARIZA, F. & WENZ, S. 1999. A revision of *Coelodus subdiscus* WENZ, 1989 (Neopterygii, Pycnodontiformes) from the Early Cretaceous of Montsec de Rubies (Lérida). – Treballs del Museu de Geologia de Barcelona, **8**: 33–65.
11. SCHULTZE, H.-P. & KRIWET, J. 1999. Die Fische der Germanischen Trias. – In: HAUSCHKE, N. & WILDE, V. (eds.): Trias. Eine ganz andere Welt. Mitteleuropa im frühen Erdmittelalter: 239–250; Verlag Dr. Friedrich Pfeil, München.
10. KRIWET, J. 1999. Pycnodont fishes (Neopterygii, †Pycnodontiformes) from the upper Barremian (Lower Cretaceous) of Uña (Cuenca Province, E-Spain) and branchial teeth in pycnodontid fishes. – In: ARRATIA, G. & SCHULTZE, H.-P. (eds.): Mesozoic fishes – Systematics and the fossil record: 215–238; Verlag Dr. Friedrich Pfeil, München.
9. KRIWET, J. 1999. *Ptychotrygon geyeri* n.sp. (Chondrichthyes, Rajiformes) from the Utrillas Formation (upper Albian) of the central Iberian Ranges (East-Spain). – Profil, **16**: 337–346.\*
8. KRIWET, J. 1999. Neoselachier (Pisces, Elasmobranchii) aus der Unterkreide (unteres Barremium) von Galve und Alcaine (Spanien, Provinz Teruel). – Palaeo Ichthyologica, **9**: 113–142.

## 1998

7. BELLAS, S.M., KUSSIUS, K., KOMMERELL, J.K. & KRIWET, J. 1998. Integrated biostratigraphical approach of the Neogene Pigadia basin of Karpathos Island (Dodecanes Group, Greece) – Implications on the depositional palaeoenvironment based on calcareous nannofossils, ostracodes and facies development with special references to Messinian fish assemblages. – Berliner geowissenschaftliche Abhandlungen, **E 28**: 129–156.\*
6. KRIWET, J. 1998. Late Jurassic elasmobranch and actinopterygian fishes from Portugal and Spain. – Cuadernos de Geología Ibérica, **24**: 241–260.

## 1994 – 1997

5. **KRIWET, J.** 1997. Beitrag zur Kenntnis der Fischfauna des Oberjura (unteres Kimmeridgium) der Kohlengrube Guimarota bei Leiria, Mittel-Portugal: 2. Neoselachii (Pisces, Elasmobranchii). – Berliner geowissenschaftliche Abhandlungen, **E 25**: 293–301.\*
4. **KRIWET, J., RAUHUT, O.W.M. & GLOY, U.** 1997. Microvertebrate remains (Pisces, Archosauria) from the Middle Jurassic (Bathonian) of southern France. – Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen, **206**(1): 1–28.
3. **KRIWET, J.** 1995. Beitrag zur Kenntnis der Fisch-Fauna des Ober-Jura (unteres Kimmeridge) der Kohlengrube Guimarota bei Leiria, Mittel-Portugal: 1. *Asteracanthus biformatus* n. sp. (Chondrichthyes: Hybodontoidea). – Berliner geowissenschaftliche Abhandlungen, **E 16**: 683–691.\*
2. **KRIWET, J. & GLOY, U.** 1995. Zwei mesopelagische Raubfische (Actinopterygii: Euteleostei) aus dem Unterturon der Kronsberg-Mulde bei Hannover/Misburg (NW-Deutschland). – Berliner geowissenschaftliche Abhandlungen, **E 16**: 335–355.\*
1. **RAUHUT, O.W.M. & KRIWET, J.** 1994. Teeth of a big theropod dinosaur from Porto das Barcas (Portugal). – Berliner geowissenschaftliche Abhandlungen, **E 13**: 179–185.\*

## C Conference Abstracts

### 2025

224. BAUR, H., KRIWET, J. & FEICHTINGER, I. 2025. New records of deep-sea elasmobranchs from the central Paratethys (upper Egerian) of Austria. – 5th Palaeontological Virtual Congress, Book of Abstracts: 331.

### 2024

223. TÜRTSCHER, J., JAMBURA, P.L., VILLALOBOS-SEGURA, E., LÓPEZ-ROMERO, F.A., UNDERWOOD, C.J., SPINDLER, F., THIES, D., LAUER, B., LAUER, R. & KRIWET, J. 2024. New insights into the taxonomy, morphology and phylogeny of Late Jurassic rays (Chondrichthyes: Batomorphii). – 68<sup>th</sup> Annual Meeting of the Palaeontological Association (Erlangen, Germany), Abstract Book: 155.
222. VILLALOBOS SEGURA, E., STUMPF, S., AMADORI, M., BEGAT, A., JAMBURA, P.L., TÜRTSCHER, J. & KRIWET, J. 2024. Unravelling ancient sharks and rays: Phylogenetic insights into the Late Jurassic and Early Cretaceous neoselachians. – 68<sup>th</sup> Annual Meeting of the Palaeontological Association (Erlangen, Germany), Abstract Book: 92.
221. JAMBURA, P.L., TÜRTSCHER, J., VILLALOBOS SEGURA, E., STAGGL, M.A., LAUER, R., LAUER, B., SHIMADA, K., NAYLOR, G.J.P., UNDERWOOD, C.J., DUFFIN, C.J., WARD, D. & KRIWET, J. 2024. Born for greatness: On the origin and body size evolution of lamniform sharks (Chondrichthyes; Elasmobranchii). – 68<sup>th</sup> Annual Meeting of the Palaeontological Association (Erlangen, Germany), Abstract Book: 61.
220. STAGGL, M.A., VILLALOBOS SEGURA, E., BENTON, M.J. & KRIWET, J. 2024. From peak to decline: The story of Cenozoic neoselachian diversity. – 68<sup>th</sup> Annual Meeting of the Palaeontological Association (Erlangen, Germany), Abstract Book: 86.
219. AMADORI, M., AMALFITANO, J., GIUSBERTI, L., FORNACIARI, E., JAMBURA, P.L., JAPUNDZIĆ, S. & KRIWET, J. 2024. On body size, tooth variation and possible ontogenetic dietary shifts in the shell-crusher shark *Ptychodus* Agassiz, 1834. – 95th PalGes in Warsaw – Joint Meeting of the Polish Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges), Abstract Book: 2.
218. BEGAT, A., VILLALOBOS SEGURA, E., AMADORI, RIOU, B. & KRIWET, J. 2024. The middle jurassic assemblage of la Voulte Sur-Rhône Lagerstätte (SE France): A new jurassic deep-sea shark paleodiversity. – 95th PalGes in Warsaw – Joint Meeting of the Polish Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges), Abstract Book: 17.
217. GRABENSTEINER, B., KRIWET, J. & STUMPF, S. 2024. The cold case of *Hybodus delabechei* (Chondrichthyes; Hyodontiformes) from the “Lower Lias” of Lyme Regis, UK. – 95th PalGes in Warsaw – Joint Meeting of the Polish Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges), Abstract Book: 44.
216. STAGGL, M.A., VILLALOBOS SEGURA, E., BENTON, M.J. & KRIWET, J. 2024. A tale of two trends: Disentangling the drivers of neoselachian diversity and faunal composition in the Cenozoic. – 95th PalGes in Warsaw – Joint Meeting of the Polish Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges), Abstract Book: 137.
215. STROBEN, K.J., TÜRTSCHER, J., JAMBURA, P.L. & KRIWET, J. 2024. Dental variation in sleeper sharks (Squaliformes: Somniosidae) and its implications for taxonomic identification. – 95th PalGes in Warsaw – Joint Meeting of the Polish

Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges), Abstract Book: 141.

214. STUMPF, S., PICOT, L., **KRIWET, J.** & CUNY, G. 2024. On the discovery of a unique hybodontiform skeleton from the Late Jurassic of France. – 95th PalGes in Warsaw – Joint Meeting of the Polish Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges), Abstract Book: 142.
213. VILLALOBOS SEGURA, E., STUMPF, S., AMADORI, M., JAMBURA, P.L., TÜRTSCHER, J. & **KRIWET, J.** 2024. Revising the systematic position of the enigmatic shark-like chondrichthyan *Homalodontus aplopagus* from the Lower Triassic of Canada. – 95th PalGes in Warsaw – Joint Meeting of the Polish Paleobiologists and the annual meeting of the Paläontologische Gesellschaft (Palges), Abstract Book: 154.
212. VILLAFAÑA, J.A., NIELSEN, S., CHÁVEZ HOFMEISTER, M.F., LARA, C., **KRIWET, J.** & RIVADENEIRA, M.M. 2024. Thermal niche evolution of the Great White Shark (*Carcharodon carcharias*) from the Pliocene to the present based on a species distribution modeling approach. – III Congreso Chileno de Paleontología (Copiapó, Chile), Abstract Book: 22.
211. BEGAT, A., VILLALOBOS SEGURA, E., AMADORI, M., LÓPEZ ROMERO, F.A., KLUG, S. & **KRIWET, J.** 2024. L'assemblage d'élasmodranches de Mahlstetten (Offshore, Kimméridgien): Nouvelles perspectives sur la distribution paléoenvironnementale des élasmodranches. Congres APF 2024 (Montauban, France), Abstract Book.
210. TESCHNER, E.M., KETTLER, C., **KRIWET, J.** & STUMPF, S. 2024. Long-bone histology of the Late Cretaceous island-dwelling ankylosaurian dinosaur *Struthiosaurus austriacus* Bunzel, 1871. – The 175th anniversary of the Maastrichtian Stage (Maastricht, Netherlands), Abstract Book:
209. LAROCCA CONTE, G., LIAO, A., **KRIWET, J.**, MÖRS, T., TRAYLER, R.B., ALEKSINSKI, A., IVANY, L.C., HUBER, M. & SORA, K.L. 2024. Investigating habitat use of sharks and their relatives in Seymour Island, Antarctica, Across the Eocene Epoch. – GSA Connects 2024 Meeting in Anaheim, California, Abstracts with Programs, 56: 1. DOI: 10.1130/abs/2024AM-400732.
208. STAGGL, M.A., DE GRACIA, C., LÓPEZ ROMERO, F., STUMPF, S., VILLALOBOS SEGURA, E., BENTON, M.J. & **KRIWET, J.** 2024. Habitat availability and environmental correlates drive Mesozoic neoselachian diversification: a multi-variate approach. – Paleodays XXIV edition (Pisa, Italy), Abstract Book: 111.
207. AMADORI, M., VILLALOBOS-SEGURA, E., BEGAT, A., JAMBURA, P.L., TÜRTSCHER, J., STUMPF, S. & **KRIWET, J.** 2024. Reassessment of the “Sea God” shark *Phorcynis catulina* from the Upper Jurassic of Europe. – Paleodays XXIV edition (Pisa, Italy), Abstract Book: 118.

## 2023

206. STUMPF, S., SCHLÄFFER, F., NOVAK, F.A., VILLALOBOS-SEGURA, E., KETTLER, C. & **KRIWET, J.** 2023. Resurrection of the European Late Cretaceous ankylosaur, *Struthiosaurus austriacus* Bunzel, 1871. – 93rd Annual Meeting of the Paläontologische Gesellschaft (Jena, Germany), Abstract Book: 36.
205. VILLALOBOS-SEGURA, E., MARRAMÀ, G., CARNEVALE, G., CLAESON, K.M., UNDERWOOD, C.J., NAYLOR, G.J.P. & **KRIWET, J.** 2023. The phylogeny of rays and skates (Chondrichthyes: Elasmobranchii) based on morphological characters revisited. – 93rd Annual Meeting of the Paläontologische Gesellschaft (Jena, Germany), Abstract Book.

204. AMADORI, M., VILLALOBOS-SEGURA, E., STUMPF, S. & KRIWET, J. 2023. The systematic position of the Jurassic shark †*Palidiplospinax* (Neoselachii; Palaeospinacidae) revisited. – XVII European Congress of Ichthyology 2023 (Prague), Abstract Book: 7-8.
203. STAGGL, M.A., STUMPF, S., DE GRACIA, C., VILLALOBOS-SEGURA, E., LÓPEZ-ROMERO, F.A., BETON, M.J. & KRIWET, J. 2023. Diversification patterns of Jurassic-Cretaceous elasmobranch fishes (Vertebrata, Chondrichthyes). – XVII European Congress of Ichthyology 2023 (Prague), Abstract Book: 140-141.
202. VILLALOBOS-SEGURA, E., STUMPF, S., BEGAT, A. & KRIWET, J. 2023. Reassessment of Late Jurassic elasmobranch fishes. – XVII European Congress of Ichthyology 2023 (Prague), Abstract Book: 146-147.
201. LAROCCA CONTE, G., LIAO, A., KRIWET, J., MÖRS, T. & KIM, S. 2024. From Eocene Greenhouse to Icehouse: Probing environmental and palaeoecological processes on sharks and their relatives from Seymour Island, Antarctica. – AGU 2023 (San Francisco), Abstract Book.
200. VILLALOBOS-SEGURA, E., STUMPF, S., BEGAT, A. & KRIWET, J. 2023. Reassessment of Late Jurassic elasmobranch fishes. – 8th International Meeting on Mesozoic fishes and aquatic tetrapods (Stuttgart), Abstract Book: 57.
199. STUMPF, S., TÜRTSCHER, J., LÓPEZ-ROMERO, F.A., JAMBURA, P.L., VILLALOBOS-SEGURA, E. & KRIWET, J. 2023. Are there any catsharks in the Jurassic? – 8th International Meeting on Mesozoic fishes and aquatic tetrapods (Stuttgart), Abstract Book: 56.
198. KLIMPFINGER, C. & KRIWET, J. 2023. Labial cartilages in sharks – Varieties and functions. – 4th Palaeontological Virtual Congress, Abstract Book: 109.

## 2022

197. DE GRACIA, C. F.,& KRIWET, J. 2022. New insights into the evolution of billfishes (Teleostei, Istiophoridae). 36-36. – 8e Les Rencontres de l'Ichtyologie en France (RIF), Paris, Frankreich.
196. BEGAT, A., KRIWET, J., GELFO, J. N., GOIN, F. J., GOUIRIC-CAVALLI, S., JULIA A., S., & MARTIN, T. 2022. Elasmobranch fishes from the Cenomanian (Late Cretaceous) of Patagonia, Argentina display an impressive palaeodiversity in high latitude deposits. 16-16. – 8e Les Rencontres de l'Ichtyologie en France (RIF), Paris, Frankreich.
195. BEGATA, A., KLUG, S & KRIWET, J. 2022. Late Jurassic elasmobranchs of Mahlstetten (Germany): new insights of elasmobranch palaeodiversity in offshore environment. – The 6th International Palaeontological Congress, IPC6, Abstract Book: 281.
194. MARRAMÀ, G., VILLALOBOS-SEGURA, E., KRIWET, J. & CARNEVALE G. 2022. The evolutionary origin of the durophagous pelagic stingray ecomorph. – XXII Edizione delle Giornate di Paleontologia, 8-10 giugno 2022, Abstract volume: 82; Asti, Italy
193. JAMBURA, P.L., VILLALOBOS-SEGURA, E., TÜRTSCHER, J., KLUG, S., MAISEY, J.G., NAYLOR, G., STAGGL, M.A., STUMPF, S. & KRIWET, J. 2022. Reconciling genetics and morphology: a revised phylogenetic analysis of the enigmatic elasmobranch *Protospinax annectans* from the Late Jurassic Lagerstätte of Solnhofen, Germany. – Abstracts of the 82<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology: 189.
192. STAGGL, M.A., KRIWET, J. & STUMPF, S. 2022. End of the line: Quantifying the demise of hybodontiform shark-like chondrichthyans. – Abstracts of the 82<sup>nd</sup> Annual Meeting of the Society of Vertebrate Paleontology: 314-315.

191. TÜRTSCHER, J., JAMBURA, P.L., VILLALOBOS-SEGURA, E., THIES, D. & KRIWET, J. 2022. New insights into exceptionally preserved Late Jurassic holomorphic rays (Chondrichthyes, Batomorphii) from Europe (Solnhofen, Cerin, Kimmeridge). – Abstracts of the 82nd Annual Meeting of the Society of Vertebrate Paleontology: 331-332.
190. VILLALOBOS-SEGURA, E., STUMPF, S. & KRIWET, J. 2022. Reassessment of Late Jurassic elasmobranch fishes. – Abstracts of the 82nd Annual Meeting of the Society of Vertebrate Paleontology: 335.-336.
189. STUMPF, S., VILLALOBOS-SEGURA, E., KETTLER, C., KINDLIMANN, R. & KRIWET, J. 2022. Taxonomy and systematic position of the Mesozoic hybodontiform shark-like chondrichthyan *Strophodus*. – In: SCHWEIGERT, G. (Ed.) (2021): Abstract Volume of the 93rd Annual Meeting of the Paläontologische Gesellschaft, Naturkundemuseum Stuttgart: 84, Stuttgart.

## 2021

188. STUMPF, S., UNDERWOOD, C.J., CUNY, G. & KRIWET, J. 2021. Living on the edge – Diversity patterns of hybodontiform shark-like chondrichthyans prior to the biotic turnover at the Jurassic–Cretaceous transition. – In: STUMPF, S., TÜRTSCHER, J., PFAFF, C., JAMBURA, P.L. & KRIWET, J. (Eds.) (2021): Abstracts of the 92nd Annual Meeting of the Paläontologische Gesellschaft – Berichte der Geologischen Bundesanstalt, **142**: 89, Wien.
187. SCHADE, M., STUMPF, S., KRIWET, J., KETTLER, C. & PFAFF, C. 2021. Unravelling the biology of the nodosaurid dinosaur *Struthiosaurus austriacus* from the Late Cretaceous of Austria. – In: STUMPF, S., TÜRTSCHER, J., PFAFF, C., JAMBURA, P.L. & KRIWET, J. (Eds.) (2021): Abstracts of the 92nd Annual Meeting of the Paläontologische Gesellschaft – Berichte der Geologischen Bundesanstalt, **142**: 80, Wien.
186. DE GRACIA, C., RODRIGUEZ, F., AGUILERA, O., JARAMILLO, C. & KRIWET, J. 2021. Comparative morphology between extinct and extant forms provides evidence for earlier radiation in istiophorid billfishes (Teleostei, Istiophoriformes). – In: STUMPF, S., TÜRTSCHER, J., PFAFF, C., JAMBURA, P.L. & KRIWET, J. (Eds.) (2021): Abstracts of the 92nd Annual Meeting of the Paläontologische Gesellschaft – Berichte der Geologischen Bundesanstalt, **142**: 17, Wien.
185. BEGAT, A., KRIWET, J., GOIN, F.J., GELFO, J.N., GOUIRIC-CAVALLI, S., SCHULTZ, J.A. & MARTIN, T. 2021. Elasmobranch fishes from the Cenomanian (Late Cretaceous) of Patagonia, Argentina display an impressive palaeodiversity in high latitude deposits. – In: STUMPF, S., TÜRTSCHER, J., PFAFF, C., JAMBURA, P.L. & KRIWET, J. (Eds.) (2021): Abstracts of the 92nd Annual Meeting of the Paläontologische Gesellschaft – Berichte der Geologischen Bundesanstalt, **142**: 13, Wien.
184. MARRAMÁ G., CARNEVALE G., & KRIWET J. 2021. Diversity, palaeoecology and palaeoenvironmental significance of the Eocene chondrichthyan assemblages of the Bolca Lagerstätte, Italy. – XXI Edizione delle Giornate di Paleontologia, 15-17 Giugno 2021, Abstract volume: 57; Bologna, Italy.

## 2020

183. KIM, S., ZEICHNER, S.S., COLMAN, A.S., SCHER, H. & KRIWET, J. 2020. Navigating the Drake Passage during the Eocene greenhouse to icehouse climate transition: a paleoecological and geochemical perspective based on sand tiger shark *Striatolamia macrota* teeth. – AGU100 Fall Meeting, San Francisco, U.S.A.,

## Abstracts.

### **2019**

182. KLIMPFINGER, C. & KRIWET, J. 2019. Labial Cartilages in Sharks –more to it than meets the eye. – 23<sup>rd</sup> European Elasmobranch Association Meeting, Book of Abstracts: 40.
181. JAMBURA, P.L., KINDLIMANN, R., LÓPEZ-ROMERO F.A., MARRAMÀ, G., METSCHER, B., PFAFF, C., STUMPF, S., TÜRTSCHER, J., UNDERWOOD, C.J., WARD, D.J. & KRIWET, J. 2019. Micro-CT imaging reveals the origin of the lamniform sharks. – 23<sup>rd</sup> European Elasmobranch Association Meeting, Book of Abstracts: 21.
180. JAMBURA, P.L., TÜRTSCHER, J., LÓPEZ-ROMERO F.A., PIMENTO, C. & KRIWET, J. 2019. On the origin of the great white shark *Carcharodon carcharias*. – 23<sup>rd</sup> European Elasmobranch Association Meeting, Book of Abstracts: 8.
179. CAWLEY, J.J., MARRAMÀ, G., CARNEVALE, G., KRIWET, J. 2019. Investigation of the evolutionary success and extinction of pycnodont fishes using quantitative methods. – Abstracts of the 79th Annual Meeting of the Society of Vertebrate Paleontology: 76.
178. STUMPF, S., LÓPEZ-ROMERO F.A. & KRIWET, J. 2019. On the diversity of Early Jurassic cartilaginous fishes across the Toarcian Oceanic Anoxic Event. – PeerJ Preprints.
177. STUMPF, S., LÓPEZ-ROMERO F., KINDLIMANN, R. & KRIWET, J. 2019. Of teeth and spines: The riddle of *Strophodus*' (Hybodontiformes, Chondrichthyes) validity. – In: NÜTZEL, A., REICHENBACHER, B. & KRINGS, M. (eds): Paleo & Life – Abstracts of the 90<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Munich: 143; SNSB-BSPG, München.
176. MARRAMÀ, G., CARNEVALE, G., GIUSBERTI, L., NAYLOR, G.J.P. & KRIWET, J. 2019. A new Eocene batoid fish (Elasmobranchii, Myliobatiformes) from Monte Bolca (Italy) reveals an extinct body plan for stingrays. – In: NÜTZEL, A., REICHENBACHER, B. & KRINGS, M. (eds): Paleo & Life – Abstracts of the 90<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Munich: 94; SNSB-BSPG, München.
175. KRIWET, J., MARRAMÀ, G., CARNEVALE, G. & CAWLEY, J.J. 2019. Success and demise of pycnodont fishes (Neopterygii, †Pycnodontiformes). – In: NÜTZEL, A., REICHENBACHER, B. & KRINGS, M. (eds): Paleo & Life – Abstracts of the 90<sup>th</sup> Annual Meeting of the Paläontologische Gesellschaft, Munich: 85; SNSB-BSPG, München.
174. TÜRTSCHER, J., JAMBURA, P.L., MARRAMÀ, G., KINDLIMANN, R. & KRIWET, J. 2019. The origin and evolution of the tiger shark genus *Galeocerdo* (Elasmobranchii, Carcharhiniformes) revisited. – Journal of Morphology, Supplement 280 (International Congress of Vertebrate Morphology (ICVM) Abstract Issue): 231.
173. STUMPF, S., LÓPEZ-ROMERO F., KINDLIMANN, R. & KRIWET, J. 2019. Never change a winning team: the Jurassic skeletal fossil record of †Hybodontiformes reveals new insights into taxonomic diversity and ecomorphological disparity of Mesozoic. – Journal of Morphology, Supplement 280 (International Congress of Vertebrate Morphology (ICVM) Abstract Issue): 226.
172. MARRAMÀ, G., CARNEVALE, G., NAYLOR, G.J.P. & KRIWET, J. 2019. An Eocene myliobatiform (Chondrichthyes, Elasmobranchii) from Monte Bolca (Italy) defines a new, basal body plan for pelagic stingrays. – Journal of Morphology, Supplement 280 (International Congress of Vertebrate Morphology (ICVM) Abstract Issue): 174.
171. LÓPEZ-ROMERO F., ABED-NAVANDI D., KRIWET J. 2019. Timing of jaw shape remodelling during development in bamboo shark and catshark (Chondrichthyes: Galeomorphii) to promote species-specific feeding mechanisms. – Journal of

- Morphology, Supplement **280** (International Congress of Vertebrate Morphology (ICVM) Abstract Issue): 167.
170. **KRIWET J.**, MARRAMÀ, G., CARNEVALE, G. & CAWLEY, J.J. 2019. Drivers of taxonomic and functional diversity in extinct non-teleostean neopterygians (Osteichthyes, Actinopterygii). – Journal of Morphology, Supplement **280** (International Congress of Vertebrate Morphology (ICVM) Abstract Issue): 156.
  169. JAMBURA, P.L., TÜRTSCHER, J., KINDLIMANN, R., MARRAMÀ, G., METSCHER, B., PFAFF, C., STUMPF, S., UNDERWOOD, C.J., WARD, D.J. & **KRIWET, J.** 2019. Evolutionary trends and the phylogenetic relevance of tooth mineralization patterns in sharks (Chondrichthyes; Elasmobranchii). – Journal of Morphology, Supplement **280** (International Congress of Vertebrate Morphology (ICVM) Abstract Issue): 1545.
  168. LÓPEZ-ROMERO F, ABED-NAVANDI D, **KRIWET J.** 2019. Timing of jaw shape remodeling in sharks development to establish species-specific feeding mechanisms. – Comparative Cartilage Biology Banyuls Sur Mer, France, Abstract Volume: 22.
- 2018**
167. KLIMPFINGER, C. & **KRIWET, J.** 2018. Labial Cartilages - more to it than meets the eye. – Deep-Sea Biology Symposium 2018, Abstract Volume: 97.
  166. TÜRTSCHER J., JAMBURA P., MARRAMÀ G., KINDLIMANN R., **KRIWET J.** 2018. The evolutionary history of the tiger shark, *Galeocerdo cuvier*. – 22nd Annual Conference of the European Elasmobranch Association. Peniche, Portogallo.
  165. JAMBURA, P.L., LÓPEZ ROMERO, F.A., POHL, B., **KRIWET, J.** 2018. The potential fate of the thresher shark -a fossil tale of an alopiid-like shark. – The 22nd European Elasmobranch Association Annual Scientific Conference, Peniche, Abstracts.
  164. FUCHS, I., ENGELBRECHT, A., PFAFF, C. & **KRIWET, J.** 2018. Identifying hidden secrets of shark teeth (Chondrichthyes, Elasmobranchii) using sophisticated approaches. – Berichte der Geologischen Bundesanstalt **128**: 29.
  163. STUMPF, S., RESCH, U. & **KRIWET, J.** 2018. What is a catshark? On the taxonomy and systematics of Mesozoic Carcharhiniformes (Elasmobranchii). – 111<sup>th</sup> Annual Meeting of the German Zoological Society Greifswald, Abstract Volume: 292.
  162. MARRAMÀ, G., SCHULTZ, O. & **KRIWET, J.** 2018. The first unambiguous skeletal record for the skates (Batomorphii, Rajiformes) from the early Miocene of Upper Austria. – 5<sup>th</sup> International Paleontological Congress, Abstract Volume: 1000, Paris.
  161. CARNEVALE, G., MARRAMÀ, G., BANNIKOV, A. & **KRIWET, J.** 2018. The youngest marine record of double-armoured herrings: an Eocene paraclupeid fish (Teleostei, Clupeomorpha, Ellimmichthyiformes) from Monte Bolca. – 5<sup>th</sup> International Paleontological Congress, Abstract Volume: 948, Paris.
  160. ROBIN, N., MARRAMÀ, G., VONK, R., **KRIWET, J.** & CARNEVALE, G. 2018. Eocene isopods on electric rays: tracking ancient biological interactions in a complex fossil record. – 5<sup>th</sup> International Paleontological Congress, Abstract Volume: 469, Paris.
  159. SCHWAB, J., **KRIWET, J.** & PFAFF, C. 2018. Extinct and extant predators – hunting style reconstruction and phylogenetic distinction of carnivores based on the vestibular system. – 5<sup>th</sup> International Paleontological Congress, Abstract Volume: 445, Paris.
  158. **KRIWET, J.**, MARRAMÀ, G. & CAWLEY, J.J. 2018. Predicting competition between †Pycnodontiformes and Gingymodi (Osteichthyes, Neopterygii) through geologic time based on quantitative analyses of lower jaw features. – 5<sup>th</sup> International Paleontological Congress, Abstract Volume: 440, Paris.
  157. STUMPF, S. & **KRIWET, J.** 2018. Fine-scale diversity analysis of Jurassic Chondrichthyes disproves competition between Jurassic elasmobranch and hybodontiform fishes. – 5<sup>th</sup> International Paleontological Congress, Abstract Volume: 125, Paris.

156. CARNEVALE G., MARRAMÁ G., BANNIKOV A.F. & KRIWET J. 2018. A paraclupeid fish (Teleostei, Clupeomorpha, Ellimmichthyiformes) from the Eocene of Monte Bolca: the youngest marine record of double-armored herrings. – XVIII edizione delle Giornate di Paleontologia, 6-8 Giugno 2018, Abstract volume: 79; Trento e Predazzo, Italy.
155. VARESE, M., MARRAMÀ, G., KRIWET, J., CARNEVALE, G. & GIUSBERTI, L. 2018. Redescription of "*Rhinobatus*" *dezigni*, an Eocene guitarfish from the Bolca Konservat-Lagerstatte, Italy. – XVIII edizione delle Giornate di Paleontologia, 6-8 Giugno 2018, Abstract volume: 27; Trento e Predazzo, Italy.
154. AMADORI, M., AMALFITANO, J., GIUSBERT, L., FORNACIARI, E., CARNEVALE, G. & KRIWET, J. 2018. A reappraisal of the northeastern Italy record of *Ptychodus* (Chondrichthyes, Elasmobranchii). – XVIII edizione delle Giornate di Paleontologia, 6-8 Giugno 2018, Abstract volume: 28; Trento e Predazzo, Italy.
153. AMADORI, M., AMALFITANO, J., GIUSBERT, L., FORNACIARI, E., CARNEVALE, G. & KRIWET, J. 2018. Articulated tooth sets of *Ptychodus polygyrus* Agassiz from the Upper Cretaceous of northeastern Italy. – XVII edizione delle Giornate di Paleontologia, 6-8 Giugno 2018, Abstract volume: 73; Trento e Predazzo, Italy.
152. GIERLINGER, N.S. & KRIWET, J. 2018. Evolutionary and developmental correlations between teeth and dermal denticles in jawed vertebrates (Gnathostomata). – EURO EVO DEVO (EED), Abstract volume: 464; Galway, Ireland.
151. LÓPEZ-ROMERO, F.A., KLIMPFINGER, C. & KRIWET, J. 2018. Ontogenetic shape changes in the head of the frilled shark *Chlamydoselachus anguineus*. – EURO EVO DEVO, Abstract volume: 347; Galway, Ireland.
150. VILLAFAÑA, J., HERNANDEZ, S., ALVARADO, A., OYANADEL-URBINA, P., PIMENTO, C., RIVADENEIRA, M. & KRIWET, J. 2018. Body size estimation of great white shark (*Carcharodon carcharias*) from Pliocene to Recent in the pacific coast of South America. – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 52; Verlag Dr. Friedrich Pfeil, Munich.
149. GIERLINGER, N.S., KRIWET, J. & Metscher, B. 2018. Development and patterning of dermal and dental denticles in sharks and shark-related rays (Chondrichthyes, Elasmobranchii): ecological constraints, evolutionary patterns and ontogenetic trends clarifying denticle morphology. – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 19; Verlag Dr. Friedrich Pfeil, Munich.
148. TÜRTSCHER, J., PFAFF, C., JAMBURA, P.L. & KRIWET, J. 2018. Using tooth histology to distinguish morphological similar shark teeth. – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 51; Verlag Dr. Friedrich Pfeil, Munich.
147. STUMPF, S. & KRIWET, J. 2018. New information on the diversity of Early Jurassic neoselachian sharks and rays and implications for a post-Pliensbachian neoselachian distributional turnover. – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 50; Verlag Dr. Friedrich Pfeil, Munich.
146. SCHIPANY, A.P. & KRIWET, J. 2018. Diversity patterns of sharks and rays (Chondrichthyes, Elasmobranchii) in the Adriatic Sea off Croatia. – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 45; Verlag Dr. Friedrich Pfeil, Munich.
145. LÓPEZ-ROMERO, F.A., KLIMPFINGER, C., TANAKA, S. & KRIWET, J. 2018. Ontogenetic shape changes in the body and head of *Chlamydoselachus anguineus*. – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft

für Biologische Systematik, Abstract volume: 29; Verlag Dr. Friedrich Pfeil, Munich.

144. JAMBURA, P.L., PFAFF, C., TÜRTSCHER, J., UNDERWOOD, C., WARD, D. & KRIWET, J. 2018. The phylogenetic relevance of the unique tooth histology in lamniform sharks (Elasmobranchii). – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 22; Verlag Dr. Friedrich Pfeil, Munich.
143. CAWLEY, J.J. & KRIWET, J. 2018. Pycnodonts: Could they be the true sister group to teleost fishes?. – In: SCHWARZ, C., ZIMMERMANN, D. & KRIWET, J. (eds): 19. Jahrestagung Gesellschaft für Biologische Systematik, Abstract volume: 12; Verlag Dr. Friedrich Pfeil, Munich.

## 2017

142. KRIWET, J., MÖRS, T., KISSLING, W. & ENGELBRECHT, A. 2017: Drivers of post-Jurassic diversity dynamics of southern hemisphere elasmobranchs (Vertebrata, Chondrichthyes). – Libro de Resúmenes, Reunión de Paleontología de Vertebrados de Chile: 11.
141. VILLAFAÑA, J.A., PIMENTO, C. & KRIWET, J. 2017. Diversification patterns of Mediterranean, Alpine Foredeep Mollasse basins, and Paratethys chondrichthyans in the global context. – Libro de Resúmenes, Reunión de Paleontología de Vertebrados de Chile: 10.
140. TÜRTSCHER, J., PFAFF, C., SATO, K., TOMITA, T., JAMBURA, P.L., KRIWET, J. 2017. Dental ontogeny of embryonic tiger sharks (*Galeocerdo cuvier*): a link between tooth development and ovoviparous reproduction. – The 21<sup>st</sup> European Elasmobranch Association Annual Scientific Conference, Amsterdam, Abstracts: 107.
139. SCHNETZ, L., PFAFF, C., LIBOWITZKY, E., JOHANSON, Z., STEPANEK, R. & KRIWET, J. 2017. On the occurrence of phosphatic otoliths in cartilaginous fishes (Chondrichthyes, Elasmobranchii). – The 21<sup>st</sup> European Elasmobranch Association Annual Scientific Conference, Amsterdam, Abstracts: 106.
138. SCHIPANY, A., FUTTERKNECHT, H. & KRIWET, J. 2017. Diversity patterns of sharks and rays (Chondrichthyes, Elasmobranchii) in the Adriatic Sea off Croatia. – The 21<sup>st</sup> European Elasmobranch Association Annual Scientific Conference, Amsterdam, Abstracts: 105.
137. JAMBURA, P.L., PFAFF, C., UNDERWOOD, C.J., WARD, D.J., KRIWET, J. 2017. Tooth mineralization and histology in the rare snaggletooth shark, *Hemipristis elongate* (Hemigaleidae; Carcharhiniformes) – evolutionary significance or an ecological adaption? – The 21<sup>st</sup> European Elasmobranch Association Annual Scientific Conference, Amsterdam, Abstracts: 95.
136. KRIWET, J., MÖRS, T., REGUERO, M.A., KISSLING, W. & ENGELBRECHT, A. 2017. Lessons from the past: Diversity dynamics are linked to climate change in elasmobranchs (Vertebrata, Chondrichthyes) in deep-time. – The 21<sup>st</sup> European Elasmobranch Association Annual Scientific Conference, Amsterdam, Abstracts: 60.
135. VILLAFAÑA, J.A., NIELSEN, S.N., KLUG, S. & KRIWET, J. 2017. Early Miocene Chondrichthyes from Chile: Paleobiogeographic and Ecological Implications. – Zitteliana, 91: 93–94.
134. SCHWAB, J., KRIWET, J. & PFAFF, C. 2017. Dogs - Lifestyle Change from Arboreal to Terrestrial: 3D Reconstruction of the Bony Labyrinth. – Zitteliana, 91: 82.
133. SCHNETZ, L., PFAFF, C., LIBOWITZKI, E., STEPANEK, R. & KRIWET, J. 2017. The Evolutionary Significance of Phosphatic Otoliths in Cartilaginous Fishes (Chondrichthyes, Elasmobranchii). – Zitteliana, 91: 81.

132. KRIWET, J., MÖRS, T., REGUERO, M.A., KIESSLING, W. & ENGELBRECHT, A. 2017. Diversity dynamics are linked to climate change in cartilaginous fishes (Chondrichthyes, Holocephali Elasmobranchii) from the Eocene of Antarctica. – Journal of Vertebrate Palaeontology, Program and Abstracts: 145.
131. MARRAMÀ, G., CLAESON, K.M., CARNEVALE, G. & KRIWET, J. 2017. Eocene electric rays (Torpediniformes, Batomorphii) from the Monte Postale Site, Bolca Lagerstätte, Italy. – XVII edizione delle Giornate di Paleontologia, 24-26 maggio 2017 - Volume dei Riassunti: 53.
130. AMALFITANO, J., CARNEVALE, G., FORNACIARI, E., GIUSBERT, L., LUCIANI, V., DALLA VECCHIA, F.M., KRIWET, J. & ROGHI, G. 2017. The chondrichthyan fauna from the Upper Cretaceous Scaglia Rossa of northeastern Italy: an overview. – In: SAMES, B. (Ed.): 10th International Symposium on the Cretaceous – Abstracts, 21–26 August 2017, Vienna. – Berichte der Geologischen Bundesanstalt, 120, p. 13, Vienna. ISSN 1017-8880.
129. AMALFITANO J., CARNEVALE G., FORNACIARI E., GIUSBERTI L. LUCIANI V., DALLA VECCHIA F.M., KRIWET J., ROGHI G. & ZORZIN R. 2017. The fossil ichthyofauna from the Upper Cretaceous Scaglia Rossa of northeastern Italy. – XVII edizione delle Giornate di Paleontologia, 24-26 maggio 2017 - Volume dei Riassunti: 24–26.

## 2016

128. ENGELBRECHT, A., MÖRS, T., REGUERO, M. & KRIWET, J. 2016. Small sharks – Big surprise: New information on diversity patterns of Eocene Antarctic chondrichthyes. – In: NIEBUHR, B., WILMSEN, M., KUNZMANN, L. & STEFEN, C. (eds.): Fossils: Key to evolution, stratigraphy and palaeoenvironments: 49; Saxoprint GmbH, Dresden.
127. KRIWET, J. 2016. Evolution of feeding mechanisms in aquatic vertebrates revisited. – In: NIEBUHR, B., WILMSEN, M., KUNZMANN, L. & STEFEN, C. (eds.): Fossils: Key to evolution, stratigraphy and palaeoenvironments: 86; Saxoprint GmbH, Dresden.
126. JOHANSON, Z., UNDERWOOD, C., FRASER, G., WELTEN, M., KRIWET, J., PFAFF, C. & MEREDITH SMITH, M. 2016. Diversity of skin denticles in fossil and extant rays and the origins of vertebrate dentitions. – Journal of Vertebrate Palaeontology, Program and Abstracts: 162.
125. FRITZ K., ABED-NAVANDI D., SATO K., TANAKA S., KRIWET J. 2016. Geometric Morphometrics reveals morphospaces for early and late shark embryos (Chondrichthyes, Elasmobranchii). – Anatomical Record, Volume 299, Special Feature: 248.
124. PFAFF C., KAINEDER G., CZERNY S., NAGEL D. & KRIWET J. 2016. Functional morphological adaptations of the bony labyrinth in marsupials (Mammalia: Theria). – Anatomical Record, Volume 299, Special Feature: 98.

## 2015

123. SCHWARZHANS, W., KRIWET, J., MÖRS, T., ENGELBRECHT, A. & REGUERRO, M. 2015. Bridging the gap: otoliths from the Eocene of Seymour Island, Antarctica, reveal predominance of gadiform fishes (Teleostei). – XII International Symposium on Antarctic Earth Sciences, ISAES 2015, Goa, Abstracts: 472.
122. ELSLER, A. & KRIWET, J. 2015. A new specimen of *Othnielosaurus consors*. – Palaeontological Association Abstracts: 60.
121. KAINEDER, G., PFAFF, C. & KRIWET, J. 2015. Reduced ossification in the dentary bone of notothenioid ice-fishes (Teleostei: Perciformes). – NOBIS, Program and Abstracts: 29.
120. FUCHS, I., SCHWAB, J. & KRIWET, J. 2015. Palaeoecology and diversity of Miocene

- sharks and rays (Chondrichthyes, Elasmobranchii) of the Paratethys. – NOBIS, Program and Abstracts: 23.
119. FRITZ, K., ABED-NAVANDI, D. & **KRIWET J.** 2015. Ontogeny of the brown banded bamboo shark (*Chiloscyllium punctatum* Müller & Henle, 1838) and the development of jaws. – NOBIS, Program and Abstracts: 22.
  118. ENGELBRECHT, A., MÖRS, T., REGUERO, M. & **KRIWET, J.** 2015. New information on Eocene Antarctic Chondrichthyan diversity. NOBIS, Program and Abstracts: 20.
  117. BARON, R., **KRIWET, J.** & PFAFF, C. 2015. Morphological convergences in the inner ear of marsupial Diprotodontia and placental mammals. – NOBIS, Program and Abstracts: 14.
  116. UNDERWOOD, C.J., SMITH, M.M., JOHANSON, Z., RILEY, A., FRASER, G. & **KRIWET, J.** 2015. Tooth-like structures on the rostrum of the Cretaceous batoid *Schizorhiza*. – Journal of Vertebrate Palaeontology, Program and Abstracts: 228.
  115. PFAFF, C. & **KRIWET, J.** 2015. Macroevolutionary patterns of the locomotor system in non-muraenoid eels (Teleostei: Elopomorpha). – Journal of Vertebrate Palaeontology, Program and Abstracts: 194.
  114. ENGELBRECHT, A., **KRIWET, J.**, MÖRS, T. & REGUERO, M. 2015. Revision of Eocene Antarctic carpet sharks and ground sharks (Chondrichthyes, Orectolobiformes, Carchariniformes). – Journal of Vertebrate Palaeontology, Program and Abstracts: 121.

## 2014

113. **KRIWET, J.**, ENGELBRECHT, A., REGUERO, M. & MÖRS, T. 2014. Eocene Antarctic fish diversity patterns revisited. – XII Annual Meeting of the European Association of Vertebrate Paleontologists: 192.
112. MÖRS, T., ENGELBRECHT, A., **KRIWET, J.**, SCHWARZ, C. & REGUERO, M. 2014. Origin of modern Antarctic ice-fishes (Teleostei, Notothenioidei) and the identity of Eocene fish remains from Seymour Island, Antarctica. – 4th International Palaeontological Congress - The history of life: A view from the Southern Hemisphere: 2019.
111. ENGELBRECHT A., **KRIWET J.**, MÖRS T. , SCHWARZ C., REGUERO M. 2014. New information on diversity patterns of Eocene Antarctic sharks, skates and rays (Chondrichthyes, Elasmobranchii). – XXXIII SCAR Open Science Conference and COMNAP Symposium Success through International Cooperation: 407.
110. ENGELBRECHT A., **KRIWET J.**, MÖRS T., SCHWARZ C., REGUERO M. 2014. Origin of Antarctic ice-fishes (Teleostei, Notothenioidei): Current controversies and facts. – XXXIII SCAR Open Science Conference and COMNAP Symposium Success through International Cooperation: 716
109. STEPANEK, R. & **KRIWET, J.** 2014. Skeletal morphology of the South American freshwater stingray *Paratrygon aiereba* (Chondrichthyes: Potamotrygonidae). – Abstracts Gfl 2014: 40.
108. ENGELBRECHT, A., **KRIWET, J.**, MÖRS, T. & REGUERO, M. 2014. Diversity of Eocene Antarctic sand tiger sharks (Chondrichthyes, Odontaspidae): Climatic controls or implications for nursery areas? – Journal of Vertebrate Palaeontology, Program and Abstracts: 125.
107. ROMANO, C., **KRIWET, J.**, BAAL, C. & BRINKMANN, W. 2014. Recovery from the Late Permian mass extinction: New insights from a neglected Early Triassic fish fauna from the salt range (Pakistan, Neotethys realm). – Journal of Vertebrate Palaeontology, Program and Abstracts: 216.
106. SCHWARZ, C., **KRIWET, J.**, PETRASKO, M. & NAGEL, D. 2014. Morphological shape diversification and evolutionary history of the bony labyrinth in aeluroid Carnivora (Mammalia, Ferae). – Journal of Vertebrate Palaeontology, Program and

**2013**

105. SCHWARZ, C. & **KRIWET, J.** 2013. Invasive and non-invasive methods to investigate the musculotendinous system in teleost fishes (e.g. the peralfish). – Bruker microCT User Meeting 2013: 1 p. Hasselt, Belgium.
104. **KRIWET, J.**, FISCHER, J., LICHT, M., BUCHWITZ, M., BARTSCH, P. 2013. Evolution of basal gnathostomes egg capsule morphotypes. – Journal of Vertebrate Palaeontology, Program and Abstracts: 157.
103. VEITSCHEGGER, K. & **KRIWET, J.** 2013. Testing the intra-relationships of carcharhinid sharks using CO1 and different analytical methods. – 10. Tagung der Gesellschaft für Ichthyologie (GfI): 43.
102. LICHT, M., BARTSCH, P., **KRIWET, J.**, FISCHER, J. & SCHNEIDER, J. 2013. New evidence for chondrichthyan polyphyly. – 10. Tagung der Gesellschaft für Ichthyologie (GfI): 30.
101. ENGELBRECHT, A., **KRIWET, J.**, Mörs, T., Reguero, M. & Schwarz, C. 2013. New information on the cranial anatomy of ice-fishes (Teleostei, Notothenioidei) from Antarctica based on micro-CT analyse. – 10. Tagung der Gesellschaft für Ichthyologie (GfI): 15.
100. **KRIWET, J.** & SCHWARZ, C. 2013. Phylogenetic implications of tooth replacement patterns in stem group teleosts (Neopterygii). – In: REITNER, J., QUN, Y., YONGDONG, W. & REICH, M. (eds): Palaeobiology and Geobiology of Fossil Lagerstätten through Earth History: 91; Universitätsverlag Göttingen.
99. FISCHER, J., LICHT, M., SCHNEIDER, J. W., **KRIWET, J.**, BUCHWITZ, M. & KOGAN, I. 2013. Stratigraphic record, producer assignment and phylogeny of chondrichthyan egg capsule morphotypes. – In: REITNER, J., QUN, Y., YONGDONG, W. & REICH, M. (eds): Palaeobiology and Geobiology of Fossil Lagerstätten through Earth History: 50; Universitätsverlag Göttingen.
98. ENGELBRECHT, A., **KRIWET, J.**, Mörs, T., Schwarz, C., Reguero, M. & Tambussi, C. 2013. A revision of Eocene Antarctic fishes (Vertebrata: Neopterygii: Teleostei). – In: REITNER, J., QUN, Y., YONGDONG, W. & REICH, M. (eds): Palaeobiology and Geobiology of Fossil Lagerstätten through Earth History: 42; Universitätsverlag Göttingen.
97. SCHWARZ, C. & **KRIWET, J.** 2013. New information about the palaeobiology of †*Enchodus* sp. (Actinopterygii, Teleostei) from the Cenomanian of Lebanon. – In: SCHWARZ, C. & **KRIWET, J.** (eds): Abstracts 6<sup>th</sup> International Meeting on Mesozoic fishes: 59; Verlag Dr. Friedrich Pfeil, Munich.
96. **KRIWET, J.** & LEHMANN, J. 2013. Turonian pycnodontid fish (Neopterygii, Pycnodontiformes) from northern Germany. – In: SCHWARZ, C. & **KRIWET, J.** (eds): Abstracts 6<sup>th</sup> International Meeting on Mesozoic fishes: 43; Verlag Dr. Friedrich Pfeil, Munich.
95. **KRIWET, J.** & KLUG, S. 2013. Dental patterns of basal hexanchoid sharks (Elasmobranchii, Hexanchiformes). – In: SCHWARZ, C. & **KRIWET, J.** (eds): Abstracts 6<sup>th</sup> International Meeting on Mesozoic fishes: 42; Verlag Dr. Friedrich Pfeil, Munich.
94. STEPANEK, R. & **KRIWET, J.** 2013. Skeletal morphology and growth of freshwater stingray *Potamotrygon falkneri* (Chondrichthyes, Myliobatiformes. – BioSyst.EU 2013 Global systematics: 212.
93. **KRIWET, J.** & KLUG, S. 2013. On the use of stem- and crown group concepts and the definition of Elasmobranchii and Neoselachii. – BioSyst.EU 2013 Global systematics: 116.

## 2012

92. STEPANEK, R. & KRIWET, J. 2012. Morphological description and comparison of a growth series of *Potamotrygon falkneri* from South America. – Abstracts 16<sup>th</sup> Annual Scientific Conference of the European Elasmobranch Association: 96.
91. VOIGT, S., ACHTERHOLD, K. & KRIWET, J. 2012. A simple method to preserve fish material over many decades if not centuries in finest overall quality. – Abstracts 6<sup>th</sup> Annual Meeting of Nobis Austria: 31.
90. KRIWET, J., RAUSCHER, K & KLUG, S. 2012. Taxonomy and faunal relationships of Early Miocene neoselachians (Chondrichthyes, Elasmobranchii) of the western Paratethys. – Abstracts 6<sup>th</sup> Annual Meeting of Nobis Austria: 25.
89. VOIGT, S., KRIWET, J., SCHWEIZER, M. & HERTWIG, S. 2012. Molecular Systematics of pupfishes (Cyprinodontiformes, Cyprinodon) from northern Mexico. – Terra Nostra 2012 (3): 184; GeoUnion Alfred-Wegener-Stiftung.
88. VOIGT, S., KRIWET, J., SCHWEIZER, M. & HERTWIG, S. 2012. Parallelism in cyprinodontid fishes (Teleostei, Cyprinodontiformes) from northern Mexico indicates rapid morphological evolution without genetic transformations. – Terra Nostra 2012 (3): 183-184; GeoUnion Alfred-Wegener-Stiftung.
87. VEITSCHEGGER, K. & KRIWET, J. 2012. The significance of CO1 data in reconstructing interrelationships of carcharhinid sharks (Chondrichthyes, Carcharhiniformes) and the systematic position of the blue shark, *Prionace glauca*. – Terra Nostra 2012 (3): 182-183.; GeoUnion Alfred-Wegener-Stiftung.
86. SCHNEIDER J.W., KOGAN, I., KRIWET, J. & SELL, J. 2012. Finding localities of the Titassic "Lizard Fish" Saurichthys in Germany. – Terra Nostra 2012 (3): 155-156; GeoUnion Alfred-Wegener-Stiftung.
85. KRIWET, J., ENGELBRECHT, A., MÖRS, T., REGUERO, M., TAMBUSSI, C. & STEPANEK, R. 2012. First chimeroid, batoid and shark records (Chondrichthyes: Holocephali, Elasmobranchii) from the uppermost horizons (Late Eocene, Telms 6 and 7) of the La Meseta Formation, Seymour Island, Antarctica. – Terra Nostra 2012 (3): 100; GeoUnion Alfred-Wegener-Stiftung.
84. KLUG, S. & KRIWET, J. 2012. Divergence estimates of major squalomorph clades (Chondrichthyes, Neoselachii) and their impact on phylogenetic hypotheses. – Terra Nostra 2012 (3): 94; GeoUnion Alfred-Wegener-Stiftung.
83. KLUG, S. & KRIWET, J. 2012. First Miocene holomorphic stingray (Chondrichthyes, Myliobatiformes, Dasyatidae) from SE Asia. – Terra Nostra 2012 (3): 93; GeoUnion Alfred-Wegener-Stiftung.

## 2011

82. KRIWET, J. 2011. Origin and diversification of cods and allies (Teleostei, Gadiformes). – Journal of Vertebrate Paleontology, **31** (6, Suppl.): 139.
81. KLUG, S. & KRIWET, J. 2011. Node age estimations and the origin of angel sharks, Squatiniformes (Neoselachii, Squalomorphii). – Journal of Vertebrate Paleontology, **31** (6, Suppl.): 137.
80. STEPANEK, R. & KRIWET, J. 2011. The evolution of freshwater stingrays (Myliobatiformes, Potamotrygonidae) revisited. – Beiträge zur Paläontologie **32**: 77.
79. KRIWET, J. & KLUG, S. 2011. The Late Cretaceous deep-sea fish assemblage (Chondrichthyes, Actinopterygii) of the island of Timor, SE Asia. – Beiträge zur Paläontologie **32**: 62.
78. KLUG, S. & KRIWET, J. 2011. First Mesozoic chimaeroid fish record (Holocephali, Chimaeriformes) from the Iberian Peninsula with comments on the Palaeoecology of *Ischyodus*. – Beiträge zur Paläontologie **32**: 60.

## 2010

77. KRIWET, J., SCHELLHORN, S. & RUECKERT, N. 2010. Sharks, rays and skates (Chondrichthyes, Neoselachii) from the Ottnangian of South Germany: Implications for neoselachian diversity of the Miocene Molasse Basin. – Zitteliana **B 29**: 64-65.
76. KRIWET, J., KLUG, S., STRAUBE, N. & SCHLIEWEN, U. 2010. Of genes and fossils: Reconstructing adaptive processes in dog-fish sharks. – Zitteliana **B 29**: 64.
75. KLUG, S. & KRIWET, J. 2010. Antiquity and origin of angel sharks (Chondrichthyes, Squatiniformes). – Zitteliana **B 29**: 59.

## 2009

74. KLUG, S. & KRIWET, J. 2009. Did men encounter the giant Megatooth shark? – Terra Nostra **2009/3**: 62.
73. KRIWET, J. 2009. Dental patterns and tooth replacement in bony fishes. – Terra Nostra **2009/3**: 66-67.
72. KNOLL, F., HUGUET, D., KRIWET, J. & PÉLISSIÉ, T. 2009. Middle Jurassic vertebrate faunas from the lignites of the Causses (southern France). – Abstracts of the 7th Annual Meeting of the European Association of Vertebrate Palaeontologists, At Aachen: 39.
71. KRIWET, J. 2009. A revision of Cow Sharks (Chondrichthyes, Hexanchiformes) from the Jurassic of Europe. – In: Billon-Bruyat, J.-P., Marty, D., Costeur, L., Meyer, C.A. & Thüring, B. (eds). 5th International Symposium on Lithographic Limestone and Plattenkalk. Naturhistorisches Museum Basel, Switzerland. Actes 2009 bis de la Société jurassienne d'Emulation, Porrentruy: 52-53.
70. KRIWET, J. & KLUG, S. 2009. Node age estimates of angel and dogfish sharks (Chondrichthyes, Neoselachii) using constrained fossil data and molecular clocks for dating the origin of hypnosqualean and derived "orbitostylic" sharks, respectively. – Journal of Vertebrate Paleontology **29 (3, Suppl.)**: 129-130A.
69. KRIWET, J. & KLUG, S. 2009. Environmental distribution of selachians within the early Cretaceous of NE Spain. – 10<sup>th</sup> International Symposium on Mesozoic Terrestrial Ecosystems and Biota. Ediciones UAM (Madrid): 199-200.
68. STRAUBE N., IGLESIAS, S., SELLOS, D., KRIWET, J. & SCHLIEWEN, U. 2009. Molecular phylogeny and node age estimation of Lantern Sharks (Elasmobranchii: Etmopteridae). – European Society for Evolutionary Biology 2009.

## 2008

67. PAMAR, V., ARRATIA, G., KRIWET, J. & PRASAD, G. 2008. The ostariophysan fossil record of the Indian subcontinent. – Journal of Vertebrate Paleontology, **28** (3, suppl): 124.
66. KRIWET, J. & KLUG, S. 2008. Neoselachian interrelationships, fossils, and the origin of major neoselachian lineages. – Journal of Vertebrate Paleontology, **28** (3, suppl): 102.
65. KLUG, S. & KRIWET, J. 2008. Diversification patterns of early sharks and rays (Chondrichthyes, Neoselachii). – Journal of Vertebrate Paleontology, **28** (3, suppl): 101.
64. KRIWET, J. & KLUG, S. 2008. New information on Mio-Pliocene Peruvian vertebrate diversity. – Erlanger geologische Abhandlungen, Sonderband **6**: 100.
63. KLUG, S. & KRIWET, J. 2008. Skeletal remains of the Miocene lamniform shark, *Cosmopolitodus hastalis*, from Peru. – Erlanger geologische Abhandlungen, Sonderband **6**: 99.

62. KLUG, S., **KRIWET, J.**, Witzmann, F. & Heidtke, U.H.J. 2008. Permian vertebrate food web. – Erlanger geologische Abhandlungen, Sonderband **6**: 39.
61. HOFFMANN, N. & **KRIWET, J.** 2008: Elasmobranch remains from the Late Jurassic of NW Poland. – Ichthyolith Issues, Special Publication **11**: 9-10.
60. ERMER, K. & **KRIWET, J.** 2008: Rare neoselachian remains (Chondrichthyes, Elasmobranchii) from the Oligocene of Bad Freienwalde (NE Germany). – Ichthyolith Issues, Special Publication **11**: 12.
59. **KRIWET, J.** 2008: A new extinct bullhead shark, *Paracestracion viohli*, from the Late Jurassic of S Germany. – Ichthyolith Issues, Special Publication **11**: 5.
58. STRAUBE, N., **KRIWET, J.** & SCHLIEWEN, U. 2008. Confusion in the deep: Morphology and taxonomy of lantern sharks (Squaliformes: Etmopteridae). – 6th Conference of the Society of Ichthyology (GfI): 58.
57. **KRIWET, J.** & KLUG, S. 2008. Phylogeny and palaeobiology of dogfish sharks. – 6th Conference of the Society of Ichthyology (GfI): 33.
56. WALIGORA, J., **KRIWET, J.** & STRAUBE, N. 2008. Zahn- und Schuppenmorphologie bei zwei HAarten der Gattung *Etmopterus*. Gesellschaft für Ichthyologie. – 7th Conference of the German Society of Ichthyology (GfI): 41.
55. LICHT, M. & **KRIWET, J.** 2008. Tooth replacement in pycnodontiforms (Actinopterygii, Neopterygii). – Terra Nostra **2009/3**: 73-74.

## 2007

54. SCHNEIDER, S., BERNING, B., BITNER, M.A., CARRIOL, R.-P., JÄGER, M., **KRIWET, J.**, KROH, A. & WERNER, W. 2007. A unique Late Burdigalian paleocommunity from the Upper Marine Molasse (Gurlarn near Passau) – Macrobenthic invertebrate and fish fauna. – Wissenschaftlichen Mitteilungen des Institutes für Geologie der TU Bergakademie Freiberg, **36**: 125.
53. DUMMASCH, J., **KRIWET, J.** & KLUG, S. 2007. Fossil record supports molecular evidence of the systematic position of rays and skates. – Annual Meeting of the European Elasmobranch Association 2007. Program & Abstracts: 1 p.
52. PIGOWSKA, A., KLUG, S. & **KRIWET, J.** 2007. Upper Jurassic neoselachians from Spain in the European context. – Annual Meeting of the European Elasmobranch Association 2007. Program & Abstracts: 1 p.
51. KLUG, S. & **KRIWET, J.** 2007. First articulated skeleton of the extinct lamniform shark "Isurus" escheri. – Annual Meeting of the European Elasmobranch Association 2007. Program & Abstracts: 1p.
50. **KRIWET, J.**, ABERHAN, M., KIESSLING, W., SCASSO, R. & MEDINA, F.A. 2007. Chondrichthysans and actinopterygians across the K-Pg boundary in Patagonia, Argentina. – Journal of Vertebrate Paleontology, **27**(3, suppl): 101.
49. **KRIWET, J.**, TANAKA, S. & STELBRINK, B. 2007. Early development of the frilled shark, *Chlamydoselachus anguineus*, from Suruga Bay, Japan. – Annual Meeting of the European Elasmobranch Association 2007. Program & Abstracts: 1 p.
48. KLUG, S., **KRIWET, J.** & WITZMANN, F. 2007. Direct evidence of predator-prey-resource interactions in a Permian aquatic ecosystem. – Journal of Vertebrate Paleontology, **27** (3, suppl): 100.
47. **KRIWET, J.** & KLUG, S. 2007. Late Jurassic diversity and geographic patterns of neoselachians (Chondrichthyes). – Hallesches Jahrbuch für Geowissenschaften, **23**: 131-132.
46. BAINES, D.C., PURNELL, M.A. & **KRIWET, J.** 2007. Testing hypotheses of functional morphology: A dental microwear investigation into feeding mechanisms of pycnodont fishes. Journal of Morphology, **268**: 1048.

## 2006

45. **KRIWET, J.** & KLUG, S. 2006. Diversity and biogeography patterns of Late Jurassic neoselachians (Chondrichthyes, Elasmobranchii). – Journal of Vertebrate Paleontology, **26**: 87A (suppl. to number 3).
44. STRAUBE, N., **KRIWET, J.** & SCHLIEWEN, U. 2006. Statistical and shape analyses of dental characters of the deep-sea shark *Etmopterus baxteri* (Chondrichthyes: Squaliformes) with comments on its taxonomic status. – Berichte-Reports, Institut für Geowissenschaften, Universität Kiel, **22**: 142.
43. KLUG, S. & **KRIWET, J.** 2006. Diversity and biogeography patterns of Late Jurassic neoselachians (Chondrichthyes). – Berichte-Reports, Institut für Geowissenschaften, Universität Kiel, **22**: 50.
42. **KRIWET, J.**, CARVALHO, M.R., THIES, D. & KLUG, S. 2006. Taxonomy and distribution of Late Jurassic anglesharks. – Berichte-Reports, Institut für Geowissenschaften, Universität Kiel, **22**: 67-68.
41. **KRIWET, J.** & KLUG, S. 2006. New insights into the evolution of deep-sea dogfishes (Chondrichthyes, Squaliformes). – Berichte-Reports, Institut für Geowissenschaften, Universität Kiel, **22**: 67.
40. **KRIWET, J.** & KLUG, S. 2006. Supertree, supermatrix and bayesian methods for a comprehensive reconstruction of the neoselachian phylogeny. – Berichte-Reports, Institut für Geowissenschaften, Universität Kiel, **22**: 66.

## 2005

39. **KRIWET, J.**, THIES, D., MUDROCH, A., LEIDNER, A. 2005. Revision of Late Jurassic squatinoid sharks (Chondrichthyes, Neoselachii). – In: POYATO-ARIZA, F.J. (ed.): Fourth International meeting on Mesozoic fishes – Systematics, homology, and nomenclature: 137-138.
38. KLUG, S. **KRIWET, J.**, LIRIO, J. M. & NUÑEZ, J. 2005. Synechodontiform sharks from the Late Cretaceous of Antarctica. – In: POYATO-ARIZA, F.J. (ed.): Mesozoic Fishes – Systematics, homology, and nomenclature: 133-135.
37. **KRIWET, J.** 2005a. Phylogeny and fossil record of dogfishes. – 1<sup>st</sup> International Symposium on the Management and Biology of dogfish sharks, Agenda and Abstracts: 16.
36. **KRIWET, J.** 2005. The cranial and dental morphology of pycnodont fishes (Neopterygii, Pycnodontiformes). – Berichte des Institutes für Geologie und Paläontologie der Karl-Franzens-Universität Graz/Austria, **10**: 64.
35. **KRIWET, J.** & KLUG, S. 2005. Phylogeny of Late Jurassic carpetsharks (Neoselachii, Orectolobiformes). – Berichte des Institutes für Geologie und Paläontologie der Karl-Franzens-Universität Graz/Austria, **10**: 65.
34. **KRIWET, J.** & KLUG, S. 2005. Late Jurassic carpetsharks (Neoselachii, Orectolobiformes) from South Germany. – Zitteliana, B26: 19-20 (Abstracts for 4<sup>th</sup> International Symposium on Lithographic Limestone and Plattenkalk).
33. KLUG, S. & **KRIWET, J.** 2005. Revision of Synechodontiformes (Chondrichthyes, Neoselachii). – Berichte des Institutes für Geologie und Paläontologie der Karl-Franzens-Universität Graz/Austria, **10**: 57-58.
32. KLUG, S. & **KRIWET, J.** 2005. New insights into the diversity and distribution of palaeospinacid sharks (Neoselachii, Synechodontiformes) from the lithographic limestones of southern Germany (Upper Jurassic). – Berichte des Institutes für Geologie und Paläontologie der Karl-Franzens-Universität Graz/Austria, **10**: 58.
31. KLUG, S. & **KRIWET, J.** 2005. Occurrence and diversity of palaeospinacid sharks (Neoselachii, Synechodontiformes) from the Upper Jurassic Lithographic

- Limestones of South Germany. – Zitteliana, B26: 18 (Abstracts for 4<sup>th</sup> International Symposium on Lithographic Limestone and Plattenkalk).
30. **KRIWET, J.** & KLUG, S. 2005. Phylogeny and fossil record of squaliforms sharks (Chondrichthyes, Neoselachii). – Journal of Vertebrate Paleontology, **25**: 80A (suppl. to number 3).

## 2004

29. SCASSO, R.A., CONCHEYRO, A., ABERHAN, M., KISSLING, W., **KRIWET, J.** & MEDINA, F. 2004. Depósitos de Tsunami en el límite K-T de Neuquén. – X Reunión Argentina de Sedimentología, San Luis, Argentina.
28. **KRIWET, J.** 2004. Morphological and molecular data in resolving the phylogeny of neoselachians. – In: REITNER, J., REICH, M. & SCHMIDT, G. (eds.): Geobiologie: 146-147; Göttingen.
27. MUDROCH, A., LEIDNER, A., THIES, D., **KRIWET, J.** 2004. Engelhaie (Squatiniformes) aus dem Oberjura Nordwesteuropas. – In: REITNER, J., REICH, M. & SCHMIDT, G. (eds.): Geobiologie: 166-167; Göttingen.
26. **KRIWET, J.** & BENTON, M. 2004. Neoselachian (Chondrichthyes, Elasmobranchii) diversity across the K/T boundary. – Journal of Vertebrate Paleontology, **24** (suppl. 3): 80.

## 2003

25. PRASAD, G.V.R., PARMAR, V., ARRATIA, G. & **KRIWET, J.** 2003. Diversity and distribution of Cretaceous and Palaeocene fishes of Peninsular India. – Terra Nostra, 2003/5: 123-124.
24. **KRIWET, J.** 2003c. Neoselachian (Chondrichthyes, Elasmobranchii) diversity across the K/T boundary. – Terra Nostra, 2003(5): 97-98.
23. **KRIWET, J.** 2003. The evolution of feeding mechanisms in bony fishes. – Terra Nostra, 2003(5): 96-97.
22. **KRIWET, J.** 2003. Post-Jurassic Antarctic fish diversity patterns. – Terra Nostra, 2003(4): 189-190; Berlin.

## 2002

21. HEINRICH, W.-D., ARRATIA, G. & **KRIWET, J.** 2002. Late Jurassic vertebrates from Tendaguru, Tanzania. – Journal of Vertebrate Paleontology, **22** (Suppl. 3): 63A-64A.
20. **KRIWET, J.**, NUNEZ, H. & LIRIO, J. M. 2002. Late Cretaceous fish faunas from the Antarctic Peninsula. – Journal of Vertebrate Paleontology, **22** (Suppl. 3): 76A.
19. **KRIWET, J.** 2002. Late Cretaceous and Cenozoic fishes from the Southern Ocean. – Abstract Volume, SVP/C 50, Cambridge 2002: 20.

## 2001

18. **KRIWET, J.** 2001. Systematic position of sclerorhynchid sawfishes (Batomorphii, †Sclerorhynchoidei) and higher-level batoid phylogeny. – III International Meeting on Mesozoic Fishes. Systematics, Paleoenvironment and Biodiversity: 46; Milano.
17. **KRIWET J.** 2001. Die Abstammung des Weißen Haies *Carcharodon carcharias* (LINNAEUS, 1758). – Terra Nostra, **2001**(6): 56.

## 2000

16. **KRIWET, J.**, SOLER-GIJÓN, R. & LÓPEZ-MARTÍNEZ, N. 2000. Elasmobranchs and actinopterygians from the Maastrichtian (Late Cretaceous) of the south-central Pyrenees (Lleida, Spain). – *Terra Nostra*, **2000**(3): 154; Berlin.
15. **KRIWET, J.** 2000b. Evolutionary trends in the cranial anatomy of pycnodont fishes (Neopterygii, Pycnodontiformes). – *Terra Nostra*, **2000**(3): 153; Berlin.
14. **KRIWET, J.** 2000a. Ökomorphologische Aspekte pycnodonter Fische (Neopterygii, Pycnodontiformes). – *Terra Nostra*, **2000**(3): 67; Berlin.

## 1999

13. KUSSIUS, K. & **KRIWET, J.** 1999. Ostrakoden aus dem Messinium von Karpathos (Dodecanes; Griechenland). – *Terra Nostra*, **99**(8): 105.
12. **KRIWET, J.** & KUSSIUS, K. 1999. Selachier und Actinopterygier aus der Unterkreide von Ostspanien. – *Terra Nostra*, **99**(8): 103; Zürich.
11. **KRIWET, J.** & KUSSIUS, K. 1999. Fischreste aus dem Oberjura Ostspaniens. – *Terra Nostra*, **99**(8): 102; Zürich.
10. **KRIWET, J.** 1999. Evolutionary trends in the cranial anatomy of pycnodont fishes (Neopterygii, Pycnodontiformes). – *Journal of Vertebrate Paleontology*, **19** (suppl. 3): 57; Lawrence, Kansas.
9. **KRIWET, J.** 1999. Schädelanatomie und Nahrung pycnodonter Fische (Neopterygii; Pycnodontiformes). – *Terra Nostra*, **99**(8): 46; Zürich.

## 1998

8. **KRIWET, J.** 1998. Palaeobiogeography and palaeoecology of sclerorhynchid sawfishes (Chondrichthyes, Rajiformes). – *Comunicación de las XIV Jornadas de Paleontología*, 1998: 95-97, 1 tab.; La Laguna.
7. **KRIWET, J.** & SCHULTZE, H.-P. 1998. Distribution of epicontinental fishes in the German Triassic. – *Hallesches Jahrbuch für Geowissenschaften*, Reihe B: Geologie, Paläontologie, Mineralogie, Beihefte, **5**: 100-101; Halle.

## 1997

6. **KRIWET, J.** & OPPERMANN, K. 1997. First articulated shark remains (Neoselachii, Lamniformes, Anacoracidae) from the Late Cretaceous of Spain. – *Journal of Vertebrate Paleontology*, **17**(3): 58; Lawrence, Kansas.
5. **KRIWET, J.** 1997c. Late Jurassic fishes (Pisces: Elasmobranchii, Actinopterygii) of the Iberian peninsula (preliminary report). – *Comunicaciones IV Congreso de Jurásico de España*, Alcañiz, 1997: 89-90, 1 Fig.; Madrid.
4. **KRIWET, J.** 1997b. Fish remains from the Lower Barremian (Lower Cretaceous) of the central Iberian Range, NE-Spain. – Second International Meeting Mesozoic Fishes – Systematics and the fossil record, Buckow, **1997**: 24; Berlin.
3. **KRIWET, J.** 1997a. Pycnodontid fishes from the Upper Barremian (Lower Cretaceous) of Uña (Cuenca Province, E-Spain). – Second International Meeting Mesozoic Fishes - Systematics and the fossil record, Buckow, **1997**: 23; Berlin.

**1996**

2. **KRIWET, J.** & KUSSIUS, K. 1996. Palaeoecological implications of sharks from the lower Barremian of Galve and Alcaine, Province of Teruel, Spain. – *Journal of Vertebrate Paleontology*, **16**(3): 46; Lawrence, Kansas.

**1995**

1. **KRIWET, J.** 1995. Elasmobranchian remains from the Lower Barremian of north-eastern Spain (Province of Teruel): Preliminary report. – *II International Symposium on Lithographic Limestones*, Lleida-Cuenca: 99-101, 1 Tab.; Madrid.

## D Miscellaneous

21. **KRIWET, J.**, PFAFF, C., TÜRTSCHER, J., WUKOVITS, J., JAMBURA, P.L. & STUMPF, S. 2021. 92. Jahrestagung der Paläontologischen Gesellschaft an der Universität Wien. – Geowissenschaftliche Mitteilungen, **86**: 102-103.
20. **KRIWET, J.**, GÖHLICH, U. & STUMPF, S. 2019. 46. Treffen des Arbeitskreises Wirbeltierpaläontologie in Wien (Osterreich). Geowissenschaftliche Mitteilungen (Gmit), **76**: 100–101.
19. **KRIWET, J.** 2018: Geleitwort. – In: STEININGER, F. & SEIDL, J. (eds): Zur Entwicklung der Paläontologie in Wien insbesondere des **Instituts** für Paläontologie an der Universität Wien von 1873 bis 1945. Abhandlungen der Geologischen Bundesanstalt, **72**: 3–4.
18. **KRIWET, J.** 2013. 20 Jahre “International Meeting on Mesozoic Fishes” an der Universität Wien gefeiert. – Geowissenschaftliche Mitteilungen, **54**: 87-89.
17. SCHENK, B. & **KRIWET, J.** 2013. 6<sup>th</sup> International Meeting on Mesozoic Fishes: Post-Meeting Field Trip Guide – The marine Late Jurassic and Cenozoic of Lower Austria. 18 pp. (unpublished).
16. FISCHER, J., LICHT, M., SCHNEIDER, J., **KRIWET, J.**, KOGAN, I. 2013. Overview about the chondrichthyan egg capsule morphotypes. – Graphic card, 1 p.
15. FISCHER, J., LICHT, M., SCHNEIDER, J. & **KRIWET, J.** 2013. Stratigraphic record, producer assignment and phylogeny of chondrichthyan egg capsule morphotypes. – Graphic card, 1 p.
14. **KRIWET, J.** 2010. Biology of Skates. – Zoosystematics and Evolution, **86**: 355–357 [Book review].
13. **KRIWET, J.** 2010. Ursprung und Evolution der Haie und Rochen. – Stuttgarter Beiträge zur Naturkunde, Serie C, **69**: 26-27.
12. **KRIWET, J.** 2008. *Cosmopolitodus hastalis* aus dem Obermiozän Perus. In: LEINFELDER, R. (ed.). Museum für Naturkunde der Humboldt-Universität zu Berlin, Jahresbericht 2007: 46.
11. WITZMANN, F., KLUG, S. & **KRIWET, J.** 2008. Fressen und gefressen werden - einmalige Einblicke in eine 290 Millionen Jahre alte Nahrungskette. In: LEINFELDER, R. (ed.). Museum für Naturkunde der Humboldt-Universität zu Berlin, Jahresbericht 2007: 40.
10. **KRIWET, J.** & BARTSCH, P. 2008. Korallen und Fische, Korallenfische? – In: LEINFELDER, R., HEIß, G. & MOLDZYK, U. (eds): abgetaucht. Begleitbuch zur Sonderausstellung zum internationalen Jahr des Riffes 2008: 49-61.
9. REICH, M., **KRIWET, J.** & REICHENBACHER, B. 2005. 75. Jahrestagung der Paläontologischen Gesellschaft vom 27.08.-02.09.2005 in Graz, Österreich. – GMIT, **22**: 84-85.
8. **KRIWET, J.** & REICH, M. 2005. Protokoll der ordentlichen Mitgliederversammlung am 29. August 2005 in Graz. – GMIT, **22**: 86-90.
7. **KRIWET, J.** 2005. CARRIER, J.C., MUSICK, J.A. & M.R. HEITHAUS (eds): Biology of sharks and their relatives. – Spixiana, **28**: 180 (book review).
6. **KRIWET, J.** 2005. Der Panzerfisch *Gemuendina stuertzi* TRAQUAIR, 1903. – Beiblatt zu „Fossil des Monats August“; Bayerische Staatssammlung für Paläontologie und Geologie.

5. **KRIWET, J.** 2005. Massenaussterben von Haifischen an der K/T-Grenze. – GMIT, **19**: 25-27.
4. **KRIWET, J.** 2005. Der Ammenhai *Phorcynis catulina* aus den Solnhofener Plattenkalken. – Beiblatt zu „Fossil des Monats März“; Bayerische Staatssammlung für Paläontologie und Geologie.
3. KIEßLING, W. & **KRIWET, J.** 2002. Die Kreide-Tertiär-Grenze in Chubut/Patagonien.– <http://www.palaeo.de/palges/index.html>: 1p., 4 figs.
2. **KRIWET, J.** 2002. Internationales Projekt zur Entwicklung und Biodiversität post-jurassischer antarktischer Fischfaunen. – GMIT, **10**: 31-33, 1 fig.; Hannover.
1. **KRIWET, J.** 2002. Entwicklung und Biodiversität zirkum-antarktischer Fischfaunen seit der Unterkreide. – <http://www.palaeo.de/palges/index.html>: 3 pp., 3 figs.