

# Curriculum Vitae Et Studiorum



**Manuel Amadori, PhD**

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## Education

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| May 2022   | <b>PhD.</b> Department of Palaeontology, University of Vienna.<br>Vienna Doctoral School for Ecology and Evolution (VDSEE).  |
| March 2018 | <b>Master Degree.</b> Alma Mater Studiorum - Università di Bologna<br>Degree in Biodiversity and Evolution (L-6) - Final score: 108/110<br>Thesis: “Revision of the genus <i>Ptychodus</i> (Chondrichthyes, Elasmobranchii) in the Upper Cretaceous of Veneto” |
| July 2015  | <b>Bachelor Degree.</b> Università degli Studi di Urbino Carlo Bo<br>Degree in Biological Sciences (L-13) - Final score: 93/110<br>Thesis: “Scanning electron microscope observation of <i>Cimex pipistrelli</i> (Arthropoda, Rhynchota)”                      |

## Abroad Experiences

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| January 2020   | One week stay at the “Haimuseum und Sammlung R. Kindlimann” (Aathal-Seegräben, Switzerland) for the detailed study of fossil material belonging to the genus <i>Ptychodus</i> (Chondrichthyes).               |
| April-May 2018 | Two months stay at the Department of Palaeontology (University of Vienna) to study fossil material belonging to the genus <i>Ptychodus</i> (Chondrichthyes) and housed at the Natural History Museum, Vienna. |

## Professional Experiences

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| Mar. 2022 - now       | Technical assistant microCT-lab of the Department of Palaeontology (University of Vienna).  |
| Oct. 2020 - Feb. 2021 | Technical assistant microCT-lab of the Department of Palaeontology (University of Vienna).  |
| October 2017          | Palaeontological excavations directed by the Natural History Museum of Verona in the surrounding of “Valle della Chiesa” (Roncà, VR, Italy) to recover molluscs and other macroinvertebrates. |
| September 2017        | Emergency palaeontological excavation for the recovery fossil fishes and small crustaceans in Cave del Predil (UD, Italy).  |

## Affiliations & Societies

Evolutionary Morphology Research Group (EvoMoRG, University of Vienna)

	European Association of Vertebrate Palaeontologists (EAVP)
	Society of Vertebrate Paleontology (SVP)
	Italian Paleontological Society (SPI)
	Italian Society for Evolutionary Biology (ISEB)
<b>Language</b>	
	Italian: written and spoken.
	English: written and spoken.
<b>Skills &amp; Knowledge</b>	
<u>Palaeontology</u>	Identification processes and cataloguing of findings. Excavation, securing and recovery techniques. Palaeogeographic reconstructions based on a biogeographic data.
<u>Phylogeny</u>	Laboratory techniques for the study of phylogeny at different taxonomic levels. Database management (morphological and molecular characters) and analysis with the main phylogenetic methods applied to evolutionary sciences. Statistical surveys and techniques for multivariate analysis. Reconstructions of phylogeny through different models.
<u>Microscopy &amp; Computed Tomography (CT)</u>	Sample preparation and observation with optical microscope, stereoscopic microscope and scanning electron microscope (SEM). Paleontological material analysing with scan micro-CT (Skyscan 1173 Desktop-Micro-CT, Bruker).
<u>Computer Technology</u>	Office 2016 package (e.g., Word, Excel, PowerPoint). Highly skilled in data processing (e.g., R v.3.5.0; Past v.3.17) and design softwares (e.g., Adobe Photoshop CS6; Adobe Illustrator CS6; ImageJ v.1.47).
<b>Management &amp; Responsibility</b>	
2014-2015	Management of the enclosure and related microscopy laboratory at the Department of Biomolecular Sciences (University of Urbino “Carlo Bo”, Italy).
<b>Scientific Contribution</b>	
2022 (peer-reviewed paper)	<b>Amadori M.</b> , Kindlimann, R., Fornaciari, E., Giusberti, L., & Kriwet, J. A new cuspidate ptychodontid shark (Chondrichthyes; Elasmobranchii), from the Upper Cretaceous of Morocco with comments on tooth functionalities and replacement patterns. <i>Journal of African Earth Sciences</i> , 187, 104440.
2020 (peer-reviewed paper)	<b>Amadori M.</b> , Amalfitano, J., Giusberti, L., Fornaciari, E., Carnevale, G., & Kriwet, J. The Italian record of the Cretaceous shark, <i>Ptychodus latissimus</i> Agassiz, 1835 (Chondrichthyes; Elasmobranchii). <i>PeerJ</i> , 8, e10167.
2020 (peer-reviewed paper)	<b>Amadori M.</b> , Amalfitano, J., Giusberti, L., Fornaciari, E., Carnevale, G., & Kriwet, J. A revision of the Upper Cretaceous shark <i>Ptychodus mediterraneus</i> Canavari, 1916 from northeastern Italy, with a reassessment of <i>P. latissimus</i> and <i>P. polygyrus</i> Agassiz, 1835 (Chondrichthyes; Elasmobranchii)”. <i>Cretaceous Research</i> , 104386.
2019 (peer-reviewed paper)	<b>Amadori M.</b> , Amalfitano J., Giusberti L., Fornaciari E., Carnevale G. Resti inediti di <i>Ptychodus</i> Agassiz, 1834 (Ptychodontidae, Chondrichthyes) conservati presso il Museo Civico di Rovereto (Trento). <i>Annali del Museo Civico di Rovereto</i> , 34, 221-247.
2019	<b>Amadori M.</b> , Amalfitano J., Giusberti L., Fornaciari E., Luciani V., Carnevale

(peer-reviewed paper) G., Kriwet J. 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.

2018 Giusberti L., **Amadori M.**, Amalfitano J., Carnevale G., Kriwet J. Remarks on the nomenclature of the genera *Ptychodus* Agassiz, 1834 and *Buffonites* Sternberg, 1829 (Ptychodontidae, Chondrichthyes). *Bollettino della Società Paleontologica Italiana*, 57(3), 252.  
(peer-reviewed short note)

### Conference & Symposia

2018 **Amadori M.**, Amalfitano J., Giusberti L., Fornaciari E., Carnevale G., Kriwet J. “A reappraisal of the Italian record of *Ptychodus* (Chondrichthyes, Elasmobranchii).” *XIII edizione delle Giornate di Paleontologia (Palaeodays, SPI), Trento e Predazzo (Italy). Abstract Book.*  
(Talk)

2018 **Amadori M.**, Amalfitano J., Giusberti L., Fornaciari E., Carnevale G., Kriwet J. “Articulated tooth sets of *Ptychodus polygyrus* Agassiz from the Upper Cretaceous of northeastern Italy”. *XIII edizione delle Giornate di Paleontologia (Palaeodays, SPI), Trento e Predazzo (Italy). Abstract Book.*  
(Poster)

2015 Priori P., **Amadori M.**, Guidi L., Scaravelli D. “Morfologia esterna di *Cimex pipistrelli* Jenyns, 1839 con note ecologiche”. *III Convegno Italiano sui Chiroteri, Trento. Abstract Book.*  
(Poster)

### Awards & Grants

2021 **Abschluss-Stipendiums (VDSEE Completion Grant)**

Awarded by the Vienna Doctoral School of Ecology and Evolution (VDSEE). Aiming to support doctoral students in their final phase of their doctoral studies beyond their current thesis funding.

2020 **Kurzfristige Wissenschaftliche Auslandsstipendien (KWA)**

Awarded by the University of Vienna for a stay of 40 days for a 40-day stay at the major museums in southern England. This project aims at clarifying the taxonomic identity and diversity of *Ptychodus* and to better understand the evolution of durophagous elasmobranchs during the Cretaceous.

2019 **Ernst Mach Grant, Ernst Mach – worldwide**

Awarded by OeAD-GmbH/INM on behalf of and financed by the Federal Ministry of Science, Research and Economy (BMFWF); proposed project: “The durophagous Cretaceous shark *Ptychodus* (Chondrichthyes, Elasmobranchii): Taxonomy, dental evolution and palaeobiological implications”.