

ALESSIO DE BIASE – CV

Nationality: Italian
Title: Animal Biology Ph.D.
Email: alessio.debiase@uniroma1.it

Synopsis

Since January 2018, he has been an **Associate Professor** at the Department of Biology and Biotechnology 'Charles Darwin' at Sapienza University of Rome. In July 2018, he obtained the **National Scientific Qualification as a Full Professor** (BIOS-03/A ex BIO/05; Zoology).

Since 1991, he has been a member of several research teams in national projects funded by the National Research Council and the Ministry of Scientific Research, as well as faculty research programs at Sapienza University of Rome. Since July 2022, he has been involved in the **NextGenerationEU National Biodiversity Future Center** project, where he coordinates activities related to the creation of *Maps of Invertebrate Genetic Diversity* at the Department of Biology and Biotechnology 'Charles Darwin'.

From 1990 to 1997, he served as a consultant for the application of computer science to agriculture and environmental fields. During this period, he focused on the design and development of software and relational databases for various systems and platforms (IBM 3090 hosts, UNIX Workstations, and MS-DOS/Windows Personal Computers) and on planning environmental management projects using GIS and remote sensing methodologies.

He is a member of the following organizations: the Italian Zoological Union (U.Z.I.; since 1986), the Italian Entomological Society (S.E.I.; since 1986), the Roman Association of Entomology (A.R.D.E.; since 1988, and a member of the council in 1995 and 1999), and the Italian Society of Biogeography (S.I.B.; since 1990).

Main Scientific Research Interests are primarily focused on the following research topics:

- Study of the patterns and biotic and abiotic drivers of intraspecific genetic variability, including genomics, in support of the conservation of the biodiversity of invertebrate taxa (Arthropods, Insects).
- Study of the patterns and biotic and abiotic drivers of intraspecific genetic variability, including genomics, in phytophagous insects within the context of studying the evolution of the relationships between insects and plants. In this field, he also focuses on evaluating the patterns of intraspecific genetic diversity in insects that could potentially be used as biological control agents for invasive plants.
- Molecular evolutionary systematics and zoogeography of Beetles.

He is the author of over 90 full publications, numerous conference abstracts, technical reports, and has edited a university textbook on General Biology. The indices associated with his scientific output are summarized in the following table:

Scopus

Number of indexed publications 47
 Total number of citations 879
 H-index 17

Scholar

Number of indexed publications 110
 Total number of citations 2647
 H-index 22

Three most recent publications:

- Mc Cartney, A. M., Formenti, G., Mouton, A., De Panis, D., Marins, L. S., Leitão, H. G., Diedericks, G., Kirangwa, J., Morselli, M., Salces-Ortiz, J., Escudero, N., Iannucci, A., Natali, C., Svardal, H., Fernández, R., De Pooter, T., Joris, G., Strazisar, M., Wood, J. M. D., ... Mazzoni, C. J. (2024). The European Reference Genome Atlas: piloting a decentralised approach to equitable biodiversity genomics. *npj Biodiversity*, 3, 31. <https://doi.org/10.1038/s44185-024-00054-6>
- Bains, S. & De Biase A.* (2024). Filling knowledge gaps in insect conservation by leveraging genetic data from public archives. *Database-The Journal of Biological Databases and Curation*. <https://doi.org/10.1093/database/baae002>
- Nania, D., Mei, M., Pacifici, M., Rondinini, C., De Biase, A., Michez, D., Cerretti, P. (2024) Insects as indicators of Key Biodiversity Areas. *Insect Conservation and Diversity*, 17:464-473. Available from: <https://doi.org/10.1111/icad.12712>

Since 1987, he has conducted several field trips to Euro-Mediterranean and Palaeotropical regions (Turkey, Greece, Spain, South Africa) to collect biological samples. In 1996, he was a member of the oceanographic campaign 'Trinacria Islands 1996,' organized by the CNR and the Genoa Museum of Natural History 'A. Doria.'

Teaching experience

- Teacher since 2012 of Evolutionary Biology and Applied Evolutionary Biology for the students of the Biology School of the Sapienza Rome University.
- Teacher since 2000 of Zoology for the students of the Biology School and of the Pharmacy School of the Sapienza Rome University.

Academic Services

- From 2020 to February 2023, he served as Associate Editor of the scientific journal *The European Journal of Zoology* (ISSN: 2475-0263).
- Since 2015, he has been a member of the editorial board of the scientific journal *Fragmenta Entomologica* [ISSN: 2284-4880 (online), ISSN: 0429-288X (print)].
- Since 2013, he has been an Associate Editor of the scientific journal *Journal of Insect Biodiversity* (ISSN: 2147-7612).
- Since 2020, he has been Vice President of the Biological Sciences Degree Program.
- From 2020 to February 2023, he was a member of the Quality Assurance Commission for the Biological Sciences Degree Program.
- Since 2016, he has been a permanent member of the evaluation commission of the DAAD (German Academic Exchange Service) for the Zoology sector.

- Since 2014, he has been the coordinator of the general curriculum of the Biological Sciences Degree Program.
- Since 2004, he has been a member of the Scientific Council of the Zoology Museum at the University of Rome “La Sapienza.”
- From the 2008-09 academic year to the 2011-12 academic year, he was a member of the faculty board of the Ph.D. program in Animal Biology at the Department of Animal and Human Biology, University of Rome “La Sapienza.”
- From the 2012-13 academic year to April 2015, he was a member of the faculty board of the Ph.D. program in Environmental and Evolutionary Biology at the Department of Environmental Biology and the Department of Biology and Biotechnology “Charles Darwin,” University of Rome “La Sapienza.”
- In 2011 and 2012, he was a member of the Curriculum Committee for the Master’s Degree LM95 “Mathematics and Sciences in Secondary School” at the Faculty of Mathematical, Physical, and Natural Sciences, University of Rome “La Sapienza.”
- In 2011 and 2012, he was a member of the Curriculum Committee for the Active Training Internship (TFA) for secondary school teachers in classes A013, A057, and A060 at the Faculty of Mathematical, Physical, and Natural Sciences, University of Rome “La Sapienza.”

Languages

Italian - mother tongue.

English - read fluently, written and spoken.

Rome, April 2025