

Curriculum Vitae

Armelle Ballian

Senckenberg Biodiversität und
Klima Forschungszentrum (SBiK-F)
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Born on December, 18th 1995
Citizenship: French



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Education

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| since April 2021 | Senckenberg Biodiversität und Klima Forschungszentrum (BiK-F),
Frankfurt am Main (Germany)
Working group: Paleoclimate and Paleoenvironmental Dynamics
Head of group: Prof. Dr. Andreas Mulch
Ph.D. |
| 2017 - 2020 | Albert-Ludwigs-Universität, Freiburg im Breisgau (Germany),
Master of Science , focus Geohazards |
| 2016 - 2017 | Albert-Ludwigs-Universität, Freiburg im Breisgau (Germany)
Bachelor of Science , ERASMUS |
| 2014 - 2016 | Université Jean Monnet, Saint-Étienne (France)
Bachelor of Science |

Professional Experience

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| 2020 - March 2021 | Université Jean-Monnet, Saint-Étienne (France)
Laboratoire de Géologie de Lyon (LGL)
Technician position for research in hydrogeochemistry <ul style="list-style-type: none">• Sample collection in the field and preparation• Measurements using ion chromatography, gas mass spectrometry (IRMS type) and isotopic geochemistry• Organization and management of data in standard formats (Excel) |
| 2018 - 2020 | Albert-Ludwigs-Universität, Freiburg im Breisgau (Germany)
Working group: Sedimentary Geology and Quaternary Research
Head of group: Prof. Dr. Frank Preusser
Research assistant <ul style="list-style-type: none">• Sample collection in the field (hand-coring, percussion drilling) and preparation• Sedimentological analyses and measurements, basic chemical experiments• Sedimentary logs and figures making for academic publications |

Research Experience

April 2024	EGU24 Vienna, Austria Abstract: http://dx.doi.org/10.5194/egusphere-egu22-234
December 2023	AGU Fall Meeting 2023 San Francisco, USA
October 2023	7th Annual AlpArray & 4D-MB Scientific Meeting Bad Hofgastein, Austria Abstracts: http://dx.doi.org/10.17169/refubium-40986 http://dx.doi.org/10.17169/refubium-40985
July 2023	DMG Data Science Short Course 2023 Frankfurt, Germany
July 2023	Urbino Summer School in Paleoclimatology Urbino, Italy
April 2023	EGU23 Vienna, Austria Abstract: http://dx.doi.org/10.5194/egusphere-egu22-2346
October 2022	6th Annual AlpArray & 4D-MB Scientific Meeting Prague, Cz. Rep.
August 2022	CBEP12 Bremen, Germany
May 2022	EGU22 Vienna, Austria Abstract: http://dx.doi.org/10.5194/egusphere-egu22-2346
October 2021	5th Annual AlpArray & 4D-MB Scientific Meeting online
June 2021	Summer School " <i>Principles, applications and new frontiers in isotope geochemistry (PAIG)</i> " online

Peer-review Publications

Ballian, A., Meijers, M. J. M., Cojan, I., Huyghe, D., Bernecker, M., Methner, K., Tagliavento, M., Fiebig, J., and Mulch, A. (Preprint). Middle Miocene climate evolution in the Northern Mediterranean region (Digne-Valensole basin, SE France). *Climate of the Past*. <https://doi.org/10.5194/egusphere-2024-2093>

Ballian, A., Chawchai, S., Miodic, J. M., Charoenchatree, W., Bissen, R., and Preusser, F. (2024). Late Holocene coastal dynamics south of the Chanthaburi estuary, eastern Gulf of Thailand. *Quaternary Research* 117, 19–29. <https://doi.org/10.1017/qua.2023.34>

Bernecker, M., Hofmann, S., Davies, A., Tagliavento, M., Meijer, N., Ballian, A., and Fiebig, J. (2023). A robust methodology for triple ($\Delta 47, \Delta 48, \Delta 49$) clumped isotope analysis of carbonates. *Chemical Geology*, 642(July), 121803. <https://doi.org/10.1016/j.chemgeo.2023.121803>

Boateng, D., Mutz, S. G., Ballian, A., Meijers, M. J. M., Methner, K., Botsyun, S., Mulch, A., and Ehlers, T. A. (2023). The effects of diachronous surface uplift of the European Alps on regional climate and the oxygen isotopic composition of precipitation, *Earth Syst. Dynam.*, 14, 1183–1210. <https://doi.org/10.5194/esd-14-1183-2023>

Awards

May 2023	European Consortium for Ocean Research Drilling (ECORD) scholarship 2023 for attending the Urbino Summer School in Paleoclimate
April 2024	Outstanding Student Presentation Award (OSPA) AGU23

Miscellaneous

Language French ● ● ● ● ● English ● ● ● ● ● German ● ● ● ● ●
Informatics Microsoft Office & Adobe Suite ● ● ● ● ● Python, R ● ● ● ○ ○
ArcGIS/QGIS, LATEX, Matlab ● ● ● ● ●
Hobbies Cello, boxing, hiking, art museums, travels
Volunteering Coordinator of the Leibniz PhD Network Communication Working Group

Referees

Maud J.M. Meijers

Assistant Professor

University of Graz, Department of Earth Sciences, NAWI Graz Geocenter, Graz, Austria

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Andreas Mulch

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<https://www.senckenberg.de/en/institutes/sbik-f/ag-paleoclimate-and-paleoenvironment-dynamics/team-paleoclimate-and-paleoenvironmental-dynamics/>