

Curriculum Vitae

Armelle Ballian

Senckenberg Biodiversität und
Klima Forschungszentrum (SBIK-F)
Georg-Voigt-Straße 14-16
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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,
Institute of Earth and Environmental Sciences, Freiburg im Breisgau
Master of Science , focus Geohazards |
| 2016 - 2017 | Albert-Ludwigs-Universität,
Institute of Earth and Environmental Sciences, Freiburg im Breisgau
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)
Laboratory technician in hydrogeochemistry <ul style="list-style-type: none">• Sample collection in the field: drinking water, rivers, lakes, rain water• Laboratory analyses: ion chromatography; stable isotope geochemistry; clean lab• 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 (HiWi) <ul style="list-style-type: none">• Sample collection in the field: hand-coring, percussion drilling• Laboratory analyses: carbonate and organic matter content; grain-size analyses; sample preparation for optical stimulated luminescence analyses• Supervision of students for basic chemical experiments• Sedimentary logs and figures for academic publications |

Research Experience

Sept. 2024	GeoSaxonia 2024 Dresden, Germany Session chair 'Interactions between mountain building, climate and biodiversity'
Aug. 2024	9th International Clumped Isotope Workshop Stony Brook, USA
April 2024	EGU24 Vienna, Austria Abstract: http://dx.doi.org/10.5194/egusphere-egu22-234
Dec. 2023	AGU Fall Meeting 2023 San Francisco, USA
Oct. 2023	7th Annual AlpArray & 4D-MB Scientific Meeting Bad Hofg., Austria Abstracts: http://dx.doi.org/10.17169/refubium-40986 http://dx.doi.org/10.17169/refubium-40985
Sept. 2023	Invited speaker for seminar lecture CEREGE, France
July 2023	DMG Data Science Short Course 2023 Frankfurt am Main, 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
Oct. 2022	6th Annual AlpArray & 4D-MB Scientific Meeting Prague, Cz. Rep.
Aug. 2022	Climatic and Biotic Events of the Paleogene (CBEP) Bremen, Germany
May 2022	EGU22 Vienna, Austria Abstract: http://dx.doi.org/10.5194/egusphere-egu22-2346
Oct. 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., Miocic, 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

Sept. 2024	Student Poster Presentation Award 3rd place GeoSaxonia 2024
Dec. 2023	Outstanding Student Presentation Award (OSPA) AGU23
May 2023	European Consortium for Ocean Research Drilling (ECORD) scholarship 2023 for attending the Urbino Summer School in Paleoclimate

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 Communication Working Group, Leibniz PhD Network		