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| **CURRICULUM VITAE** | |
| **ADEL ABDELALI**  **Research fellow at BiGeA** | |
|  | **CV Photos .JPG**  ***Address:*** *Dipartimento di Scienze Biologiche, Geologiche e Ambientali Piazza di Porta San Donato 1, Bologna*  ***Tel (WhatsApp):*** *(+213) 771 51 85 47*  ***E-mail:*** [*adelabdelali5@gmail.com*](mailto:adelabdelali5@gmail.com)  ***ORCID:*** [*https://orcid.org/0000-0003-4598-9943*](https://orcid.org/0000-0003-4598-9943) |

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| **EDUCATION** | |
| 2015-2020 | ***PhD*** *in Hydrogeology at the University of Kasdi Merbah Ouargla, Ouargla, Algeria.*  ***Thesis title:*** *Application de la Géothermomètrie chimique à l'étude du système aquifère du Sahara septentrional (SASS) Algérien.*  ***Supervisor:*** *Prof. Imed Eddine Nezli* |
| 2013-2015 | ***Ms.c*** *in Hydrology and Hydrogeology at the University of Science and Technology Houari Boumediène, Algiers, Algeria.*  ***Thesis title:*** *Application de la géothermomètrie chimique à quelque sources thermales de l’Est Algérien.*  ***Supervisor:*** *Prof. Ahmed Cherif Toubal* |
| 2010-2013 | ***Bs.c*** *in Applied Geology at the University of Science and Technology Houari Boumediène, Algiers, Algeria.* |
| 2013 | *English training,* ***upper-intermediate level B2*** *at SBL school, Algiers, Algeria.* |

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| **ACADEMIC POSITION** | |
| 2021-2022 | *Lecturer of* ***Structural Analysis Practicals****, Department of Geology, University of Kasdi Merbah Ouargla* |
| 2021-2022 | *Lecturer of* ***Cartography Practicals****, Department of Geology, University of Kasdi Merbah Ouargla* |
| 2018-2019 | *Lecturer of* ***Cartography Practicals*** *“Géologie de I'Algérie”, Department of Geology, University of Kasdi Merbah Ouargla* |
| 2016-2018 | *Lecturer of* ***Paleontology Practicals****, Department of Geology, University of Kasdi Merbah Ouargla* |

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| **RESEARCH INTERESTS** |
| The focus of my research is water hydrogeochemistry. I am also interested in geothermometry and geochemistry of hydrothermal systems and groundwaters.  1) **Geothermal energy exploration:** Temperature estimation of **geothermal reservoirs,** and chemical processes occurring in geological formations explaining the distribution of major and trace elements in water, and identifying the thermodynamics and kinetics of reactions governing water-rock interaction.  2) **A survey of Stable isotopes** (δ2H, δ18O, δ34S and 87Sr/86Sr) to study the meteoric cycle, salinity and contaminants origins, and transport in water.  Moreover, the aforementioned methods are also used to study **the interactions between different end-members** (groundwaters, hot springs, lakes, rivers and oceans).  My current project is the investigation of any traces of life in the Tanezrouft desert of Algeria. it is carried out by the characterization of evaporite samples taken from salt deposits. Analytical techniques include optical and electronic microscopy, confocal laser, and Raman spectroscopy. |

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| **PUBLICATIONS** |
| Nezli, I.E., Kechiched, R., Mongelli, G., **Abdelali, A**., Nezli, A.R., Kouider, M.H., Benhamida, S.A., 2023. REE and Y distribution and speciation in fossil water: The northwestern African Continental Intercalaire aquifer, Algerian Sahara. Chem. Geol. 121894. https://doi.org/10.1016/j.chemgeo.2023.121894  **Abdelali, A**., Nezli, I.E., Kechiched, R., Attalah, S., Benhamida, S.A., Pang, Z., 2020. Geothermometry and geochemistry of groundwater in the Continental Intercalaire aquifer, southeastern Algeria: Insights from cations, silica and SO4–H2O isotope geothermometers. Applied Geochemistry 104492. <https://doi.org/10.1016/j.apgeochem.2019.104492> |
| **Abdelali, A**., Nezli, I.E., Benhamida, A.S., 2017. Geothermometry application to the Continental Intercalaire geothermal aquifer: a case study of Ouargla region. Energy Procedia 119, 264–269. <https://doi.org/10.1016/j.egypro.2017.07.079> |

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| **PRESENTED CONFERENCES** |
| ORAL PRESENTATION ID: #34   * **Abdelali, A**., Nezli, I.E., Benhamida, A.S., 2017. Geothermometry application to the Continental Intercalaire geothermal aquifer: a case study of Ouargla region. The International Conference on Technologies and Materials for Renewable Energy, Environment and Sustainability. TMREES17-Spring Meeting. Beirut, Lebanon. April 21 to 24-2017. |
| POSTER PRESENTATION ID: 261   * **Abdelali, A**., Nezli, I.E., 2016. APPLICATION OF CHEMICAL GEOTHERMOMETERS TO THE CONTINENTAL INTERCALAIRE AQUIFER IN SOUTHEASTERN ALGERIA. International Conference on Integrated Environmental Management for Sustainable Development. Second Edition. Sousse, Tunisia. October 27 to 30-2016. |

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| **ATTENDED WORKSHOP** | |
| 1st Europlanet Latin America Planetary Science Workshop-Connecting Earth with other Planets (online). 31.10-2023 to 03.11.2023, Buenos Aires, Argentina. | |
| **OTHER SKILLS** |  |
| **Languages**  **Arabic**: fluent  **French**: good  **English**: very good | ***Software***  ***Microsoft Office:*** *Word, Excel, PowerPoint*  *Mapinfo, Surfer* ***(G.I. S mapping)****, phreeqC, Diagramme, AqQa* ***(Geochemical modeling)*** |