Mohd Qaim Raza

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Essential Qualification

Pondicherry University Pondicherry 605014, India
Doctor of Philosophy (PhD) 10th January, 2022
Dissertation: *"Metallogenesis of Tintini copper deposit and Gogi uranium deposit, Eastern Dharwar Craton, India"*

M.Sc., Applied Geology: CGPA 7.21; First Division June, 2015

Aligarh Muslim University Aligarh 202001, India
B.Sc. (Hons.), Geology: 66.8 %; First Division May, 2013

Diploma and Certificate courses

Pondicherry University Pondicherry 605014, India
P.G. Diploma, Professional Communication in English May, 2018
P.G. Diploma, Teaching Skills May, 2017
Certificate, Arabic May, 2021

1UP Engr. Coy. Aligarh, Ministry of Defence, GOI India
National Cadet Corps, Certificate 'C' June, 2013
National Cadet Corps, Certificate 'B' June, 2012

Qualified Competitive Exams

1. Joint CSIR-UGC: National Eligibility Test for Assistant Professor, 2018
2. Graduate Aptitude Test in Engineering (Specialisation: Geology), 2016, AIR 827

Published Research Articles/Book Chapters

1. Rashid, S.A., Absar, N., Ganai, G.A., **Raza, M.Q.**, *2022*. Sulphur isotopic evidence for upwelling of anoxic deep water as the cause of end-Permian mass extinction from Guryul Ravine Permo-Triassic Boundary section, Kashmir, India. *Journal of Geological Society of India* (manuscript accepted on 01.04.2022).
2. **Raza, M.Q.**, Majumdar, S., Absar, N., Bhattacharya, D., *2022*. Fluid inclusion studies on hydrothermal calcites from Gogi area, Bhima basin, Eastern Dharwar Craton, India: Implications for uranium mineralisation. *Journal of Applied Geochemistry* (manuscript accepted on 16.02.2022).
3. Zarasvandi, A., Fereydouni, Z., Alizadeh, B., Absar, N., Shukla, A.D., **Raza, M.Q.**, Ashok, M., Zentilli, M., *2021*. Phosphogenesis in the Zagros Fold-Thrust Belt, Iran: The link between the Tethyan Paleoenvironment and Phosphate Ore Deposition. *Ore Geology Reviews* 139, 104563 (Impact factor 3.809; Q1 journal). https://doi.org/10.1016/j.oregeorev.2021.104563
4. **Raza, M.Q.**, Absar, N., Pandalai, H.S., Patel, S.C., *2021*. Chlorite thermometry and fluid inclusion studies on vein-type Tintini copper deposit, Eastern Dharwar Craton, India: Ore genetic implications. *Ore Geology Reviews* 131, 104058 (Impact factor 3.809; Q1 journal). https://doi.org/10.1016/j.oregeorev.2021.104058
5. **Raza, M.Q.**, Absar, N., *2021*. Mineral chemistry of hydrothermal alteration assemblage in hanging wall Shahapur granite associated with vein-type Gogi uranium deposit, Bhima Basin, Eastern Dharwar Craton, India: Implications for physico-chemical

conditions of ore formation. *Ore Geology Reviews* 128, 103880 (Impact factor 3.809; Q1 journal). https://doi.org/10.1016/j.chemgeo.2014.08.007

6. Absar, N., **Raza, M.Q.**, Augustine, S., Managave, S., Srinivasa Sarma, D., Balakrishnan, S., *2019*. Trace, Rare-Earth Elements and C, O Isotope Systematics of Carbonate Rocks of Proterozoic Bhima Group, Eastern Dharwar Craton, India: Implications for the Source of Dissolved Components, Redox Condition and Biogeochemical Cycling of Mesoproterozoic Ocean, in: Mondal, M.E.A. (Ed.), *Geological Evolution of the Precambrian Indian Shield*. Society of Earth Scientists Series, Springer, pp. 297–326. https://doi.org/10.1007/978-3-319-89698-4_13

Published Abstracts in International/National Conferences & Seminars

1. **Raza, M.Q.**, Majumdar, S., Absar, N., Bhattacharya, D., *2019*. Fluid inclusion studies on hydrothermal calcites from Gogi area, Bhima basin, Eastern Dharwar Craton, India: Implications for uranium mineralisation. National seminar on 'strategic mineral exploration for sustainable development: Emerging trends and challenges', 7–8 May, *Atomic Minerals Directorate for Exploration & Research, Department of Atomic Energy, Southern Region, Bengaluru, India*.
2. **Raza, M.Q.**, Absar, N., 2018. Metallogenesis of Tintini Copper Deposit, Eastern Dharwar Craton, Karnataka. *National Seminar on 'Dynamics of Surface & Subsurface Geological Processes'*, 8–9 February, Department of Earth Sciences, Pondicherry University, Puducherry, India.
3. Absar, N., **Raza, M. Q.**, Managave, S., Balakrishnan, S., *2018*. Sulfur Isotope Composition of Sedimentary Pyrites from the Proterozoic Basins of India: Implications for Redox Evolution of Mesoproterozoic Ocean. *National Seminar on 'Dynamics of Surface & Subsurface Geological Processes'*, 8–9 February, Department of Earth Sciences, Pondicherry University, Puducherry, India.
4. Absar, N., **Raza, M.Q.**, Augustine, S., Managave, S., Srinivasa Sarma, D., Balakrishnan, S., *2016*. Solute sources, redox condition and biogeochemical cycling of Mesoproterozoic Ocean: Constraints from trace, rare-earth elements and C-O isotope geochemistry of carbonates of Proterozoic Bhima Group, Eastern Dharwar Craton, India. *National Conference & Field Workshop on 'Precambrians of India'*, 22–24 November, Department of Geology, Bundelkhand University & The Society of Earth Scientists, India.
5. **Raza, M.Q.**, Augustine, S., Nizamudheen, B.M., Absar, N., Bhutani, R., *2016*. Geochemistry of carbonate formations of Mesoproterozoic Bhima Basin, Eastern Dharwar Craton, Karnataka: Implications for Paleooceanography. *International conference on 'Geoscience and Environment' and 32nd annual convention of Indian Association of Sedimentologists*, 7–10 January, Department of Earth Sciences, Annamalai University, India.

Instrumentation and Lab Skills

1) Capable of performing microthermometric measurement on fluid inclusions hosted in quartz and calcite wafers.
2) Experience of handling Dual Inlet-Isotope Ratio Mass Spectrometer for measuring carbon ($\delta^{13}C$) and oxygen ($\delta^{18}O$) isotopic compositions of carbonates at IRMS Facility hosted at Department of Earth Sciences, Pondicherry University.
3) Experience of handling Pyrocube-Isotope Ratio Mass Spectrometer for measuring carbon, ($\delta^{13}C$), nitrogen ($\delta^{15}N$) and sulfur ($\delta^{34}S$) isotopic compositions of organic matters, sands, sulfates and sulfides at IRMS Facility hosted at Department of Earth Sciences, Pondicherry University.

4) Experience of working in 'Clean Isotope Lab' for separation of strontium (Sr), neodymium (Nd) and lead (Pb) at National Facility for Geochronology and Isotope Geosciences hosted at Department of Earth Sciences, Pondicherry University.

Attended Workshops/Webinars/Trainings

1. Interactive session on "Virtual Geology Field Trips in the Himalaya and the Dharwar Craton – How Geofacets Supports Geoscience Research and Education?" organized by Elsevier (01 March, 2021).
2. E-Training on "Basic Course on Application of Geochemical Analytical Data in Earth Sciences" conducted by RTD, WR, Geological Survey of India Training Institute, Jaipur, India (21–25 September, 2020).
3. Interactive session on "Strengthening Research Planning using Elsevier Tools-Scopus & Science Direct" jointly organized by Pondicherry University and Elsevier (26 August, 2020).
4. 4th National Geo-research Scholars Meet: NGRSM 2020 on "Geosciences for society" organised by Wadia Institute of Himalayan Geology, Dehradun (23–24 June 2020).
5. Interactive course for PhD research scholars, organised by UGC-HRDC-Pondicherry University (09–11 October 2019)
6. Indo-US bilateral workshop on "Coastal groundwater dynamics combining future climate change and human development" organised by Pondicherry University (07–09 June, 2018).
7. Two days National workshop on "Content and language integrated teacher education" jointly organised by Pondicherry University and Manipal University (28–29 March, 2017).
8. Combined Annual Training Camp-40 organised by 11UP Battalion NCC, Mathura (15–24 September, 2012).
9. Combined Annual Training Camp-39 organised by 11UP Battalion NCC, Mathura (10–19 October, 2011).

Awards/Prizes

1. Best Poster Presentation Award in National Seminar on 'Dynamics of Surface & Subsurface Geological Processes', 8–9 February, 2018; Department of Earth Sciences, Pondicherry University, Puducherry, India.
2. Second prize in photography competition organised by UNESCO Madanjeet Singh Institute of South Asia Regional Co-operation, Pondicherry University, India 2018.

Languages

English, Hindi, Urdu (Proficient); Persian, Arabic (Basic)

References

1. **Prof. Nurul Absar**
   Associate Professor
   Department of Earth Sciences
   Pondicherry University, India
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   Email: na_alig@yahoo.com

2. **Prof. Rajneesh Bhutani**
   Department of Earth Sciences
   Pondicherry University, India
   Contact No: +91-9443636422

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3. **Prof. Hari Shankar Pandalai**
   Department of Earth Sciences
   Indian Institute of Technology Bombay, India
   Contact No: +91-9820988245
   Email: hspandalai9@gmail.com