R. ANAND

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Department of Applied Geology
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EDUCATION

Ph.D. (Earth Sciences), 2007, Pondicherry University, Puducherry

M.Sc. (Applied Geology), 2000, Pondicherry University, Puducherry

B.Sc. (Geology), 1998, Presidency College, University of Madras, Chennai

ADDITIONAL INFORMATION

Geologists' Examination 2009, conducted by the Union Public Service Commission, Government of India (All India Rank: 18)

DST-DAAD Exchange Fellowship (2002): Carried out U-Pb isotope studies at Zentrallabor für Geochronologie, Institute for Mineralogy, University of Muenster, Germany

GATE 2001 conducted by Department of Education, MHRD, Government of India (All India Rank: 20)

CSIR-JRF (NET) 2000 conducted by Extramural Research Division under Human Resource Development Group of CSIR, India

WORK EXPERIENCE

Associate Professor: Department of Applied Geology, Indian Institute of Technology (Indian School of Mines), Dhanbad, India. April 2022 – Present.

Assistant Professor: Department of Applied Geology, Indian Institute of Technology (Indian School of Mines), Dhanbad, India. June 2013 – April 2022.

Mineralogist: IRMS Laboratory of National Centre of Excellence in Geoscience Research (NCEGR), Geological Survey of India, Bengaluru, India. October 2010 – June 2013; Mineral Physics Division, Geological Survey of India, Central Headquarters, Kolkata, India. February 2008 – October 2010.

Scientist: Department of Science and Technology, Government of India funded project "Setting up of National Facility for Geochronology and Isotope Geology" in the Department of Earth Sciences, Pondicherry University, Puducherry, India. September 2004 – February 2008.

TEACHING EXPERIENCE

Courses instructed to undergraduate, postgraduate students: Igneous Petrology, Radiogenic and Stable Isotope Geology, Stratigraphy, Crystallography and Optical Mineralogy, Mineralogy, Mathematics for Geoscientists, Earth Science, and Physical & Structural Geology

Massive Open Online Course (MOOC): Radiogenic isotope geology (SWAYAM, NPTEL Portal)

PhD GUIDANCE

Name	*Supervisor Status*	*Topic of PhD*
Kiranmala Patra (2021)	Supervisor	Geochemical and Sm-Nd isotope study of the metamorphosed mafic-ultramafic rock suites of the Sargur supracrustal belt exposed in the western Dharwar craton, southern India
Anshuman Giri (2021)	Supervisor	Petrogenetic study of the metavolcanic rocks of the Shimoga greenstone belt, western Dharwar craton, southern India
Aarti Soni (2022)	Co-supervisor	Land water storage and evapotranspiration variations over major Indian river basins
Remya S.N. (2022)	Co-supervisor	Long-term variations in the glaciers of the Alaknanda basin (Central Himalaya) using space and ground-based observation
Subarna Baidya (2023)	Supervisor	Petrogenesis of the metavolcanic rocks of the Sandur greenstone belt and its implications to the evolution of the granite-greenstone terranes of the Archean Dharwar craton, southern India
Arvind Kumar Gond (2023)	Co-supervisor	Geochemical and provenance study of some selected Precambrian sandstone units of the Singhbhum Craton: implications for crustal evolution
Swayoma Bose (2024)	Supervisor	Geochemical and geochronological study of the granites of Sausar Belt: insights into the tectonomagmatic evolution from the petrogenesis of the granitoid rocks of the Central Indian Tectonic Zone

RESEARCH EXPERIENCE

DOCTORAL THESIS

Geochemical and Geochronological studies on the metavolcanics of the Hutti Schist Belt and some of the granitoids around the schist belts of the Eastern Dharwar Craton, India

SPONSORED PROJECTS

Project Title: Geochemical and mineralogical approach for the classification of pegmatites and related rocks in Koderma, Jharkhand and Mandya, Karnataka to evaluate the economic potentiality for Li-Cs-Rb, Nb-Ta and REE; Science & Engineering Research Board (SERB), Department of Science and Technology (DST), Government of India

Project Title: Geochemical and paleomagnetic study of dolerite dykes in Meghalaya Plateau, Northeast India: Implications on mantle processes and geodynamic evolution; NPDF, SERB, DST, Government of India

Project Title: IPR Chair Professor, Scheme for Pedagogy & Research in IPRs for Holistic Education and Academia (SPRIHA), DPIIT, Ministry of Commerce and Industry, Government of India

Project Title: Petrogenesis of the Ultramafic-Mafic rock suites of the Sargur Supracrustal belt in the western Dharwar craton, southern India: significance to Archean crustal evolution**;** Ministry of Earth Sciences, Government of India

Project Title: Geochemical study of volcanic rocks of Simlipal basin, Singhbhum craton, eastern India:

Implications to their petrogenesis and tectonic setting; Technical Education Quality Improvement Programme (TEQIP-III), Government of India (Minor Research Project Scheme)

Project Title: Geochemical and petrographic study of the metamorphosed ultramafic-mafic rock suites of the Sargur Group and the surrounding granitoid rocks exposed at several locations in the western Dharwar craton, southern India; IIT (ISM) Dhanbad

CONSULTANCY

Title: Technical evaluation and impact assessment of XII Plan Schemes of Geological Survey of India for continuation up to 2020; Ministry of Mines, Government of India

ADMINISTRATIVE EXPERIENCE

Head, Centre for Innovation, Incubation and Entrepreneurship (CIIE), IIT (ISM) Dhanbad and Faculty in-charge, Incubation and Entrepreneurship from August 2022.