

## FACULTY PROFILE



|                                                     |                                                                                    |    |       |       |                              |       |                                   |            |          |      |
|-----------------------------------------------------|------------------------------------------------------------------------------------|----|-------|-------|------------------------------|-------|-----------------------------------|------------|----------|------|
| Name                                                | DR. RAJIV KHALKHO                                                                  |    |       |       |                              |       | Date of Birth: 25-05-1973         |            |          |      |
| Designation                                         | Assistant Professor                                                                |    |       |       | Date of holding Present Post |       |                                   | 07-10-2013 |          |      |
| Name of the Department and School                   | APPLIED GEOLOGY                                                                    |    |       |       |                              |       | ENGINEERING AND TECHNOLOGY        |            |          |      |
| Contact Details                                     | Email : rajivkhalkho@gmail.com                                                     |    |       |       |                              |       | Mobile: 7987292577                |            |          |      |
| Additional Responsibility in the university, if any | none                                                                               |    |       |       |                              |       |                                   |            |          |      |
| Educational Qualifications (UG onwards)             | B.Sc. Geology (Hons.), M.Sc. in Applied Geology, M.Tech. in Geo-exploration, Ph.D. |    |       |       |                              |       |                                   |            |          |      |
| Research Area/Specialization                        | Geohydrology, Stratigraphy                                                         |    |       |       |                              |       |                                   |            |          |      |
| Summary of Publications (Number only)               | Research Papers                                                                    | 08 | Books | no ne | Chapter in Books             | no ne | Seminars/ Conferences Proceedings | 13         | Projects | none |

### **PUBLICATIONS :**

(Details of Research Papers):

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| 2014 | (Suresh C. Patel • Rajiv Khalkho • Subhagya K. Patel • Janisar M. Sheikh • Duryadhan Behera • Sanjeev Chaudhari • Naraga Prabhakar), " Fluoride contamination of groundwater in parts of eastern India and a preliminary experimental study of fluoride adsorption by natural haematite iron ore and synthetic magnetite" Environmental Earth Sciences (2014) 72:2033–2049 Published online: 4 March 2014 Springer-Verlag Berlin Heidelberg 2014 ISSN: 1866-628 0 (Print) 1866-629 9 (Online) |
| 2022 | Rajiv Khalkho, R. K. Trivedi, Paleoenvironmental Studies of Bijawar Group of Rocks around Hirapur, Sagar Distirct, Madhya Pradesh, International Journal of Science and Research (IJSR), 11 , 743-750 , , 2022 , 10.21275/SR22810213009                                                                                                                                                                                                                                                       |
| 2025 | Rajiv Khalkho, Sustainable Mining Practices and Environmental Geology: A Review of Current Methodologies, Impacts, and Innovative Strategies for Balancing Resource Extraction and Environmental Protection, International Journal of Science and Research (IJSR), Volume 14 , 1245-1255 , 2025 , <a href="https://www.doi.org/10.21275/SR25220060055">https://www.doi.org/10.21275/SR25220060055</a>                                                                                         |
| 2025 | Rajiv Khalkho, Critical Minerals and National Security: The Role of Strategic Resource Reserves in India's Security Strategy, World Journal of Advanced Engineering Technology and Sciences, 14(02) , 103-109 , , 2025 , <a href="https://doi.org/10.30574/wjaets.2025.14.2.0054">https://doi.org/10.30574/wjaets.2025.14.2.0054</a>                                                                                                                                                          |
| 2025 | Rajiv Khalkho, Strengthening India's legal framework and policy strategies for sustainable seabed mining: Challenges and opportunities, International Journal of Law, Policy and Social Review, Volume 7, 71-74 , 2025                                                                                                                                                                                                                                                                        |
| 2025 | Rajiv Khalkho, 3D Geological Modelling for Ore Deposit Characterization and Mine Planning, International Journal of Science and Research (IJSR), Volume 14 , 707-711 , , 2025 , <a href="https://www.doi.org/10.21275/SR25204203555">https://www.doi.org/10.21275/SR25204203555</a>                                                                                                                                                                                                           |
| 2025 | Rajiv Khalkho, GROUNDWATER LAW IN INDIA: CHALLENGES AND REFORMS, Indian Journal of Integrated Research in Law, Volume V I , 355-366 , , 2025 , <a href="https://doi-ds.org/doi/10.2025-76987152/IJIRL">https://doi-ds.org/doi/10.2025-76987152/IJIRL</a>                                                                                                                                                                                                                                      |
| 2025 | Rajiv Khalkho, Sustainable groundwater management in India: A multifaceted approach to a growing crisis, International Journal of Science and Research Archive, 14(01) , 1725-1730 , , 2025 , <a href="https://doi.org/10.30574/ijrsra.2025.14.1.0257">https://doi.org/10.30574/ijrsra.2025.14.1.0257</a>                                                                                                                                                                                     |

### **Seminar/Conference/Workshops (Attended)**

|            |                                                                                                                                                                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 06-02-2025 | Rajiv Khalkho, "Indian Mineral Economics and the COVID-19 Pandemic: Challenges and Future Directions" Conference / Seminar Name : Intellectual Property Rights and Behavioral Economics : Changing Various Dimensions of the Indian Economy Date / |
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|            | Venue of presentation : 06-02-2025 / Department of Economics, Dr. Harisingh Gour University, Sagar, MP PIN 470003                                                                                                                                                                                                                                                                                                                                                                                                              |
| 06-03-2025 | राजीव खलखो, के. के. प्रजापति, “भूवैज्ञानिक रहस्य और रंगों की भाषा: कला के माध्यम से पृथ्वी की अनदेखी कहानी“, National Seminar-cum-Workshop on ‘Art Integrated Education and Creative Learning’ (05-06 March 2025) Department of Education, DHGV, Sagar (MP), Date / Venue of presentation : 06-03-2025 / Department of Education, Dr. Harisingh Gour Vishwavidyalaya Sagar, Madhya Pradesh                                                                                                                                     |
| 12-11-2024 | Rajiv Khalkho “Water Cycle and Groundwater in Vedic Texts: An Ancient Perspective on Hydrological Processes “ Conference / Seminar Name : Vaidik Vangmay Mein Vigyan, Date / Venue of presentation : 12-11-2024 / Department of Sanskrit Dr. Harisingh Gour University Sagar, MP PIN 470003                                                                                                                                                                                                                                    |
| 13-09-2024 | Rajiv Khalkho “Carbon Dioxide Sequestration Using Geological Materials: Challenges and Opportunities“ Conference / Seminar Name : International Conference “Environmental Sustainability, Green Technologies, Innovations and Start-up Ventures on and beyond Earth” (Hybrid Mode), Date / Venue of presentation : 13-09-2024 / Department of Criminology and Forensic Sciences Doctor Harisingh Gour Vishwavidyalaya (A Central University) Sagar, 470003, Madhya Pradesh, India                                              |
| 13-11-2024 | Rajiv Khalkho “Mineral Exploration in Vedic Texts: An Analysis of Ancient Knowledge and Practices “ Conference / Seminar Name : Vaidik Vangmay Mein Vigyan Date / Venue of presentation : 13-11-2024 / Department of Sanskrit Dr. Harisingh Gour University Sagar, MP PIN 470003                                                                                                                                                                                                                                               |
| 17-11-2024 | Rajiv Khalkho “Harmonizing Water Governance in India: The National Water Policy (2012) and Namami Gange Program as Catalysts for Sustainable Development“ Conference / Seminar Name : 5th WORLD ENVIRONMENT SUMMIT 2024 Organised by Environment and Social Development Association (ESDA), Date / Venue of presentation : 17-11-2024 / 5th WORLD ENVIRONMENT SUMMIT 2024 Organised by Environment and Social Development Association (ESDA), New Delhi, Blended Mode, Awards or recognitions received : Young Scientist Award |
| 22-09-2023 | “The Geotourism and Geoheritage Significance of National Fossil Park Ghughwa, Dindori, M.P. “, Department of General & Applied Geography, Dr. Harisingh Gour Vishwavidyalaya Sagar, Madhya Pradesh                                                                                                                                                                                                                                                                                                                             |
| 23-09-2022 | “Oxygen Level Fluctuation During Deposition of Bijawar Group of Rocks in Central India” Department of Geology, University of Rajasthan, Jaipur, National Conference on Advances in Geology & Geo-Resources of Northwestern Indian Block                                                                                                                                                                                                                                                                                        |
| 23-09-2023 | Rajiv Khalkho “Exploring the Geotourism Opportunities in the Karst Landscape of Chhatarpur District, M.P.“ Conference / Seminar Name : " CULTURAL-HERITAGE LANDSCAPE IN INDIA: Implication for Local Livelihood and National Pride" Date / Venue of presentation : 23-09-2023 / Department of General & Applied Geography, Dr. Harisingh Gour Vishwavidyalaya Sagar, Madhya Pradesh                                                                                                                                            |
| 23-09-2023 | Rajiv Khalkho “The Geotourism and Geoheritage Significance of National Fossil Park Ghughwa, Dindori, M.P. “, " CULTURAL-HERITAGE LANDSCAPE IN INDIA: Implication for Local Livelihood and National Pride" Date / Venue of presentation : 23-09-2023 / Department of General & Applied Geography, Dr. Harisingh Gour Vishwavidyalaya Sagar, Madhya Pradesh                                                                                                                                                                      |
| 24-09-2022 | “Proterozoic Volcanism and Carbon Dioxide Sequestration in Central Indian Bijawar Basin” Department of Geology, University of Rajasthan, Jaipur, National Conference on Advances in Geology & Geo-Resources of Northwestern Indian Block                                                                                                                                                                                                                                                                                       |
| 26-02-2023 | Rajiv Khalkho “Amendment of MMDR Act in 2015 : Its Significance & Status“, Conference / Seminar Name : EXPO AND Conference 2023 Date / Venue of presentation : 26-02-2023 / AKS University, Satna / The Indian Mining & Engineering Journal                                                                                                                                                                                                                                                                                    |
| 27-01-2023 | Rajiv Khalkho “Decentralized Development of Mining Areas and Affected Peoples in India By MMDR Act“, Conference / Seminar Name : Contribution of Dr. Harisingh Gour in Legal, Political and Social Development in India and it's Relevancy in 21st Century, Date / Venue of presentation : 27-01-2023 / Department of Law, Dr. Harisingh Gour Vishwavidyalaya Sagar, Madhya Pradesh                                                                                                                                            |

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| <b>National</b> | Seminar/Conference/Workshops (Organised) |
|                 | 01 as Joint Secretary                    |