

Dr. D.C. Jhariya

FGSI, FISRS, FIAH, FAEG

(World's top 2% Influential Researchers
Globally in Geology: Stanford University USA)

Associate Professor and Head

Department of Applied Geology
National Institute of Technology Raipur
(An Institute of National Importance)
G. E. Road, Raipur (Chhattisgarh) INDIA
Contact No. 09754244867; 0916267711847



Academic Profile:

1. Completed 6 (Six) Credit Course “Characterization and Engineering of Karst Aquifers” of Accredited Academic Master Programme in Hydrogeology from Belgrade University, Serbia in June, 2019.
2. Ph.D. completed in Applied Geology (Faculty of Engineering) from Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh in March, 2013.
3. M.Tech. (Applied Geology) from Department of Applied Geology, Dr. Hari Singh Gour Vishwavidyalaya, Sagar (Madhya Pradesh) Completed in May, 2007.
4. B.Sc. (Geology) From Govt. Autonomous P.G. Collage Chhindwara Madhya Pradesh Affiliated to Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh Completed in May, 2004.
5. Higher Secondary from Mathura Prasad Higher Secondary School Chhindwara (Madhya Pradesh) Board –M P Board BHOPAL (Class XII) Completed in May, 2001.
6. High School from Jaggannath Higher Secondary School Chhindwara (Madhya Pradesh) (Class X) Completed in May, 1998.

Teaching Experience:

Faculty in the Department of Applied Geology, National Institute of Technology, Raipur, GE Road, Raipur (Chhattisgarh) since 09.10.2009 (till date).

Research Paper Published:

S. No	Authors	Title	Vol.	No.	Pages	Year	Publisher
1	Sahu, Suwendu Kumar; Jhariya, DC;	3D-Mathematical model to simulate groundwater flow and sulfate concentration in Tantaria watershed, Bemetara district, Chhattisgarh, India	25	2	1667-1683	2023	Springer Netherlands Dordrecht
2	Swain, Anshuman; Jhariya, DC;	Development of Different Thematic Layers for the Identification of Artificial Groundwater Recharge Zone around Devi river, Odisha, Using Remote Sensing GIS and AHP Technique (MCDA)	4		44-58	2023	Medicon Agriculture & Environmental Sciences
3	Jaiswal, Tanushri; Jhariya, Dalchand; Singh, Surjeet;	Spatio-temporal analysis of changes occurring in land use and its impact on land surface temperature			20-Jan	2023	Springer Berlin Heidelberg
4	Jaiswal, t; Jhariya, D; singh, s;	Identification and mapping of groundwater potential zone using analytical hierarchy process and gis in lower kharun basin, Chhattisgarh, India		53	117-143	2023	LARHYSS JOURNAL
5	Jaiswal, Tanushri; Jhariya, DC; Dewangan, Rakesh;	Assessment of COVID-19 lockdown impact on surface water quality using remote sensing techniques in Raipur, Chhattisgarh, India			147-164	2023	Academic Press
6	Shrivastava, Anushree; Sahu, Mridu; Jhariya, DC;	Groundwater Quality Assessment of Raipur City Using Machine Learning Models			263-275	2023	Springer Nature Singapore Singapore

7	Ahmed, Shah Izhar; Sonkar, Ashwani Kumar; Kishore, Nawal; Jhariya, Dalchand;	Evaluation of groundwater quality in Jampali coal mine, Raigarh, Chhattisgarh, India	31	3	17-Sep	2022	Wiley
8	Jaiswal, Tanushri; Sahu, Suvendu K; Praveen, NP; Ramkumar, T; Mondal, Kamalesh Chandra; Jhariya, DC;	Integrated use of remote sensing and GIS techniques for the assessment of groundwater potential zone using multi-influencing factors in Kulhan Watershed, Chhattisgarh, India			1007-1026	2022	Springer Singapore
9	Singh, Mayank; Sahu, Pokhraj; Tapadia, Kavita; Jhariya, Dalchand;	Assessment of the groundwater quality by using multivariate approach and non-carcinogenic risk of uranium in the inhabitants of the Bastar district, Chhattisgarh, Central India	22	4	3863-3878	2022	IWA Publishing
10	Sahu, Suvendu Kumar; Jhariya, DC;	Development of a Three-Dimensional Mathematical Groundwater Flow Model in Raipur City Area, Chhattisgarh, India			197-211	2022	Springer Nature Singapore Singapore
11	Dwivedi, Chandra Shekhar; Raza, Raghob; Pandey, Arvind Chandra; Jhariya, DC;	AHP Based Site Suitability Analysis for Water Harvesting Structure Using Geospatial Technique			463-487	2022	Springer Nature Singapore Singapore
12	Dwivedi, CS; Raza, Raghob; Pandey, AC; Jhariya, DC;	Assessment of Soil Risk by RUSLE Model Using Remote Sensing and GIS in Pench River Basin, Madhya Pradesh, India			149-167	2022	Springer Nature Singapore Singapore
13	Gobinath, M; Sahu, Suvendu Kumar; Ram,	Groundwater Flow Modeling Study to Assess the Sustainability of	98	5	712-719	2022	Geological Society of India

	Prahlad; Jhariya, DC;	Groundwater Resource in and Around Bemetara Block, Chhattisgarh, India					
14	Sahu, Mridu; Jhariya, DC; Singh, Richa; Srivastava, Ishika; Mishra, Sunny Kumar;	Gis Based Spatial Analysis and Prediction of Covid-19 Cases	2273	1	12021	2022	IOP Publishing
15	Mohanty, Swapnajit; Diwan, P; Vishwakarma, N; Jhariya, DC;	Delineation of groundwater potential zones in Safei watershed, Sundargarh, Odisha, using Remote Sensing and GIS techniques	2273	1	12018	2022	IOP Publishing
16	Singh, Tajendra; Jhariya, DC; Sahu, Mridu; Dewangan, Pankaj; Dhekne, PY;	Classifying Minerals using Deep Learning Algorithms	1032	1	12046	2022	IOP Publishing
17	Mohanta, NK; Jhariya, DC; Mawale, YK; Sahu, M;	Development of different hydrogeological influencing thematic layers and groundwater potential zones of Deo river watershed of Mayurbhanj district, Odisha, India	1032	1	12049	2022	IOP Publishing
18	Swain, RC; Jhariya, DC; Swain, A; Mawale, YK; Rana, S;	Delineation of Groundwater Potential Zones in Koyna River Watershed, Maharashtra using Remote Sensing and GIS	1032	1	12047	2022	IOP Publishing
19	Patro, Surendra; Jhariya, DC; Sahu, Mridu; Dewangan, Pankaj; Dhekne, PY;	Igneous rock classification using Convolutional neural networks (CNN)	1032	1	12045	2022	IOP Publishing

20	Shrivastava, Anushree; Sahu, Mridu; Jhariya, DC;	Comparative Analysis on Ensemble Learning Techniques for Groundwater Quality Assessment of Chhattisgarh Region			726-731	2022	IEEE
21	Ahmed, Shah Izhar; Sonkar, Ashwani Kumar; Kishore, Nawal; Varshney, Ramita; Jhariya, Dalchand;	Hydrogeochemical Characterization and Qualitative Assessment of Groundwater in Jampali Coal Mining Area, Chhattisgarh, India	103	4	1109-1125	2022	Springer India
22	Agnihotri, Deepak; Kumar, Tarun; Jhariya, Dalchand;	Intelligent vulnerability prediction of soil erosion hazard in semi-arid and humid region	23		2524-2551	2021	Springer Netherlands
23	Singh, Mayank; Tapadia, Kavita; Jhariya, Dalchand; Sahu, Pokhraj;	Evaluation of uranium containing ground water quality and non-carcinogenic risk assessment in inhabitant of Bijapur District of Chhattisgarh, Central India	327		939-947	2021	Springer International Publishing
24	Jhariya, DC; Khan, Rubia; Mondal, KC; Kumar, Tarun; K, Indhulekha; Singh, Vikal K;	Assessment of groundwater potential zone using GIS-based multi-influencing factor (MIF), multi-criteria decision analysis (MCDA) and electrical resistivity survey techniques in Raipur city, Chhattisgarh, India	70	3	375-400	2021	IWA Publishing
25	Dwivedi, CS; Raza, Raghib; Mitra, D; Pandey, AC; Jhariya, DC;	Groundwater potential zone delineation in hard rock terrain for sustainable groundwater development and management in	14	1	106-121	2021	Geography, Environment, Sustainability

		South Madhya Pradesh, India					
26	Mondal, KC; Jhariya, DC; Mandal, HS;	Geoelectric Imaging to Assess Aquifer Conditions in Raipur City, Chhattisgarh, India, Using Schlumberger Method	97		943-950	2021	Geological Society of India
27	Jhariya, DC; Kumar, Tarun; Pandey, HK;	Watershed prioritization based on soil and water hazard model using remote sensing, geographical information system and multi-criteria decision analysis approach	35	2	188-208	2020	Taylor & Francis
28	Kumar, Tarun; Jhariya, DC; Pandey, HK;	Comparative study of different models for soil erosion and sediment yield in Pairi watershed, Chhattisgarh, India	35	11	1245-1266	2020	Taylor & Francis
29	Singh, V; Khan, R; Gupta, U; Vishwakarma, N; Jhariya, DC;	Hydrogeochemical assessment of groundwater of Raipur city industrial area Chhattisgarh, India	597	1	12020	2020	IOP Publishing
30	Mallick, N; Pal, D; Soni, AB; Jhariya, DC; Singh, D;	Starch based antimicrobial food packaging film towards a sustainable environment	597	1	12019	2020	IOP Publishing
31	Indhulekha, K; Jhariya, DC;	Delineation of groundwater potential zones in Samoda watershed, Chhattisgarh India, using Remote Sensing and GIS techniques	597	1	12007	2020	IOP Publishing
32	Khan, R; Indhulekha, K; Mawale, YK; Dewangan, Rakesh; Shekhar, Shubhedu; Dwivedi, CS; Singh, Vikal	Impact of anthropogenic activities on groundwater quality and quantity in Raipur City, Chhattisgarh, India	597	1	12006	2020	IOP Publishing

	K; Jhariya, DC;						
33	Chourasia, LP; Jhariya, DC;	Water Crisis in the Bundelkhand Region: An Observation	597	1	12024	2020	IOP Publishing
34	Priya, K; Jhariya, DC;	An integrated electrical resistivity and geochemical approach to delineate groundwater contamination due to seawater intrusion in the southern part of Mangalore, Karnataka, India	597	1	12012	2020	IOP Publishing
35	Jhariya, DC; Tiwari, Anoop Kumar;	Ganga River: A paradox of purity and pollution in india due to unethical practice	597	1	12023	2020	IOP Publishing
36	Mondal, KC; Rathod, KG; Joshi, HM; Mandal, HS; Khan, Rubia; Rajendra, Kushagra; Mawale, YK; Priya, K; Jhariya, DC;	Impact of land-use and land-cover change on groundwater quality and quantity in the Raipur, Chhattisgarh, India: A remote sensing and GIS approach	597	1	12011	2020	IOP Publishing
37	Jaiswal, Tanushri; Jhariya, DC;	Monitoring the Land Surface and water bodies temperature and its impact on surface water turbidity in Raipur, Chhattisgarh, India	597	1	12008	2020	IOP Publishing
38	Singh, Amit K; Jhariya, DC; Singh, Neelratan; Singh, Yamuna; Dubey, DP;	Environmental issues in karst terrain: an example from Central India	597	1	12021	2020	IOP Publishing
39	Khan, Rubia; Jhariya, DC;	Assessment of groundwater pollution vulnerability using GIS based modified DRASTIC model in Raipur City, Chhattisgarh	93		293-304	2019	Geological Society of India

40	Jhariya, DC;	Assessment of groundwater pollution vulnerability using GIS-based DRASTIC model and its validation using nitrate concentration in Tandula Watershed, Chhattisgarh	93		567-573	2019	Geological Society of India
41	Indhulekha, K; Chandra Mondal, Kamalesh; Jhariya, DC;	Groundwater prospect mapping using remote sensing, GIS and resistivity survey techniques in Chhokra Nala Raipur district, Chhattisgarh, India	68	7	595-606	2019	IWA Publishing
42	Munna, Korsia; Guhey, Rajeeva; Jhariya, DC;	Hydrogeochemistry of high fluoride groundwater to understand the suitability of groundwater for drinking and irrigation purposes in granulite belt part of Bhopalpatnam area, Bijapur District, Chhattisgarh, India	94		309-318	2019	Geological Society of India
43	Jhariya, DC; Kumar, Tarun; Pandey, HK; Kumar, Sunil; Kumar, Dharmendra; Gautam, Amar Kant; Baghel, Vindhyavasini Singh; Kishore, Nawal;	Assessment of groundwater vulnerability to pollution by modified DRASTIC model and analytic hierarchy process	78		20-Jan	2019	Springer Berlin Heidelberg
44	Khan, Rubia; Jhariya, DC;	Hydrogeochemistry and groundwater quality assessment for drinking and irrigation purpose of Raipur City, Chhattisgarh	91		475-482	2018	Geological Society of India

45	Khan, Rubia; Jhariya, DC;	Assessment of land-use and land-cover change and its impact on groundwater quality using remote sensing and GIS techniques in Raipur City, Chhattisgarh, India	92		59-66	2018	Geological Society of India
46	Kumar, Tarun; Jhariya, DC;	Identification of rainwater harvesting sites using SCS-CN methodology, remote sensing and Geographical Information System techniques	32	12	1367-1388	2017	Taylor & Francis
47	Jhariya, D. C.; Kumar, Tarun; Dewangan, Rakesh; Pal, Dharm; Dewangan, Pankaj Kumar;	Assessment of Groundwater Quality Index for Drinking Purpose in the Durg District, Chhattisgarh Using Geographical Information System (GIS) and Multi-Criteria Decision Analysis (MCDA) Techniques	89	4	453-459	2017	Geological Society of India
48	Khan, Rubia; Jhariya, DC;	Groundwater quality assessment for drinking purpose in Raipur city, Chhattisgarh using water quality index and geographic information system	90		69-76	2017	Geological Society of India
49	Tarun Kumar, D. C. Jhariya, Amar Kant Gautam;	Multi-criteria decision analysis for planning and management of groundwater resources in Balod District, India	75	8	16-Jan	2016	Springer-Verlag GmbH Heidelberg, Haberstr. 7, 69121 Heidelberg, Germany Tel ...
50	Rubia, Khan; Jhariya, D.C.;	Land Use Land Cover Change Detection Using Remote Sensing and Geographic Information System in Raipur Municipal Corporation Area, Chhattisgarh	3	1	4-Jan	2016	Scientific Society of Advanced Research and Social Change

51	Jhariya, DC; Kumar, Tarun; Gobinath, M; Diwan, Prabhat; Kishore, Nawal;	Assessment of groundwater potential zone using remote sensing, GIS and multi criteria decision analysis techniques	88		481- 492	2016	Geological Society of India
52	Munna, Korsa; Guhey, Rajeeva; Jhariya, DC;	Assessment of Groundwater Quality, with special reference to Fluoride Contamination in Bhopalpatnam Block, District Bijapur, Chhattisgarh, India	5	2	74-84	2016	Institute of Research Advances
53	Kumar, Tarun; Jhariya, DC;	Land quality index assessment for agricultural purpose using multi-criteria decision analysis (MCDA)	30	7	822- 841	2015	Taylor & Francis
54	Jhariya, D. C.; Shrivastava, Swati; Nage, S. K.; R. S.Chatterjee;	Integrated remote sensing and GIS approach to groundwater potential delineation in the doon valley, Uttarakhand, India	2	1	12- Jan	2015	Scientific Society of Advanced Research and Social Change
55	Jhariya, D. C.;	Anthropogenic activities and groundwater pollution of Sagar town in Madhya Pradesh, India	7	3	295- 302	2014	International Journal of Arts & Sciences

National/International Conferences/Training Organized:

- [1] Organizing Secretary of an International Conference AEES 2022 from 25th -26th Feb 2022 and the conference proceeding published in Scopus indexed publication IOP: Journal of Earth and Environmental Sciences (Conference Series).
- [2] Organizing Secretary of an International Conference AICES 2022 scheduled from Feb 12-13, 2022, and the conference proceeding published in Scopus Indexed Conference Proceeding IOP: Journal of Physics (Conference Series).

- [3] Coordinated one-week Short Term Training Programme on "One-week Short Term Training Programme on data science and hydrogeological studies" from dated 16th to 20th February 2022.
- [4] Coordinated one-week Short Term Training Programme on " Application of Remote Sensing, GIS and Electrical Resistivity Techniques In Groundwater Investigation" under Technical Education Improvement Progarmme (TEQIP) from 27/01/2020 to 31/01/2020 as a Coordinator.
- [5] Organizing Secretary of National Conference on "Challenges in Groundwater Development and Management (CGDAM-2020)" 06th March 2020 to 07th March 2020.
- [6] Coordinated one-week Short Term Training Programme on "Recent Advancement in Groundwater Development and Management" under Technical Education Improvement Progarmme (TEQIP) from 8th August 2016 to 12th August 2016 as a Coordinator.
- [7] Organizing member of 25th International Cartographic Congress organized by Indian National Cartography Association (INCA) at Dr. Harisingh Gour Vishwavidyalya, Sagar, (Madhya Pradesh) November 28 to December 1, 2005.

Details of Sponsored Research Projects:

S. No.	Title of Project	Funding Agency	Financial (in lakhs)	Year of Start	PI/ CoPI	Status (Completed or in progress)
1.	Modelling and Identification of Groundwater Potential Zone and Recharge Sites in the Village Area of Leh District, Ladakh	LNP-Ladakh	1.54	2023	Dr. D.C. Jhariya	in progress
2.	Assessment of Seasonal Hydrological Interactions of Kharun River with Groundwater in	SERB-DST	45.87	2022	Dr. D.C. Jhariya	in progress

	Raipur City, Chhattisgarh: Implications to The Vulnerability Of Sustainable Water Supply					
3.	Community Behavior and Its Determinants In Relation To Malaria Prevention And Control	ICMR	52.86	2021	CoPI- Dr. D.C. Jhariya	in progress
4.	Identification of Potential Groundwater Artificial Recharge Zones for Rainwater Harvesting in Raipur Municipal Corporation and Naya Raipur Area, Chhattisgarh	CGCOS T	5.00	2016	Dr. D.C. Jhariya	Completed

Details of Consultancy Research Projects:

S.No.	Title of Consultancy Services / Project	PI/ CoPI	Amount	Name of Firm	Year of Start	Duration	Current Status (Completed /Ongoing)
1	An integrated hydrological study on the impact of coal mining on the base-flows in the downstream of the mine area of the Dipka Expansion Project, Dipka Area, South Eastern Coalfields Limited	PI	14.16 lakhs	South Eastern Coalfields Limited	2020	2020- 2021	Completed
2	Planning and designing for rainwater	CoPI	07.198 lakhs	Hira Power and Steel ltd.	2021	2021	Ongoing

	harvesting system in the industry						
3	Preparation of Geological Report and Pre-feasibility Report of Prospecting Operation for Iron Ores carrying out at Dantewada District. And Water quality study of Jindal Prospecting Lease Area, Dantewara District, Chhattisgarh	CoPI	11.80 lakhs	Jindal Steel and Power ltd.	2018	2021	Ongoing
4	Scientific Study on Method of Working, and Stability Analysis of Working Benches, Ultimate Pit Wall, External & Internal Dumps of Mahan-II Opencast Coal Mine	CoPI	10.03 Lakhs	South Eastern Coalfields Limited	2020	2020-2021	Completed
5	Water audit and ground water harvesting system S.V. Airport, Raipur.	CoPI	05.00 lakhs	Airport Authority of India, Raipur	2016	2016-2018	Completed
6	Electrical Resistivity Survey in the Proposed Dam Site of Aturbeda Reservoir Project, Antagarh Block District Kanker, Chhattisgarh	PI	0.50 lakhs	Pilliwari & Associates, Raipur	2018	2019	Completed
7	Preparation of drainage pattern of Ganga River Basin	CoPI	24.72 lakhs	Chhattisgarh Environment Conserv	2015	2015-2018	Completed

				ation Board, Chhattis garh			
--	--	--	--	-------------------------------------	--	--	--

Training/Workshop/Orientation Course Attendant:

S.No	Institution	Training/ Workshop Title	Duration	
			From	To
1	CSMRS, New Delhi	Importance of water quality in durability of hydropower project	27.05.2021	28.05.2021
2	Central University of Karnataka, India,	21 days Online GIS Training Program using QGIS,	13.7.2020	2.8.2020
3	IIT Kanpur	Online FDP on Machine Learning	03.11.2020	04.12.2020
4	Centre for Karst Hydrogeology, University of Belgrade - Faculty of Mining and Geology, Belgrade, Serbia	International Course and Field Seminar on Characterization and Engineering of Karst Aquifers	27.05.2019	01.06.2019
5	Ravisankar Sukla University, Raipur, Chhattisgarh	Workshop on Groundwater Management and its issues in Chhattisgarh.	17.01.2018	17.01.2018
6	Ravisankar Sukla University, Raipur, Chhattisgarh	Groundwater Challengers in India	13.01.2018	13.01.2018
7	Geological Survey of India, Govt. of India	Geological Mapping and Mineral Exploration	04.06.2016	10.06.2016

8	Institute of Remote Sensing, Dehradun 4, Kalidas Road, Dehradun (Uttarakhand)	Application of Remote Sensing & GIS in Geosciences	05.05.2013	28.06.2013
9	Rajiv Gandhi National Groundwater Training and Research Institute Raipur	Application of Remote Sensing and GIS in Groundwater Studies	09.04.2012	13.04.2012
10	Rajiv Gandhi National Groundwater Training and	Coastal and Island Hydrogeology	12.12.2011	16.12.2011
11	Central Groundwater Board, North Central Chhattisgarh Region, Raipur, Chhattisgarh	Groundwater Development and Management	29.11.2010	03.12.2010
12	Institute of Remote Sensing, Dehradun 4, Kalidas Road, Dehradun, Uttarakhand	Edusat based Training on: Remote sensing, GIS & GPS	29.01.2007	09.04.2007

Institute-Industry Collaboration Ongoing/New

S. No.	Name of Faculty Member(s)	Collaborating Institute / Organization	Area of Collaboration	Collaboration Activities
1.	Dr. D.C. Jhariya, Dr. Mridu Sahu, Department of Computer Science, and Dr. Chandan Kumar Singh from NIT Raipur	Leh Nutrition Project LNP (Leh Nutrition Project) Housing Colony P.O Box: 59	Joint Research works	The MoU aims for joint research and to promote water conservation practices, technology, and knowledge-based interaction with the help of mutual participation and experience.

		Leh- Ladakh: 194101 India		
2	Dr. D.C. Jhariya, Dr. Mridu Sahu, Department of Computer Science, and Dr. Chandan Kumar Singh from NIT Raipur	Unmanned Warriors Limited Liability Partnership B2, Orchid Garden, Next to Military Check Post No. 4, Deolali Camp Road, Nashik, Maharashtra.	To establish a Center of excellence in Drone Survey	The MoU aims to jointly work with NIT Raipur to set up a “Centre of Excellence” for training, research, demonstration, and promotion of unmanned systems and integration of associated technologies like payloads, Imagery, Data Analysis & Management, AI, IoT etc. Consultancy and creating a product from an idea and converting it into a viable business would help students to get hands-on experience of working in Industry and also creating a startup.
3	Prof. Pramesh Choudhary and Dr. D.C. Jhariya	Taylormade Renewables Limited 705, Shapath – II, opp. Rajpath Club, S.G. Road Bodakdev, Ahmedabad-380015, Gujarat, (An ISO-9001:2015 certified company)	Collaborative Research, Research Promotion, Consultancy etc.	The MoU aims at research, demonstration, and promotion of EC-ULTRA systems and other wastewater treatment technologies for effective wastewater treatment of domestic, groundwater and industrial effluents and subsequent commercialization of significant research outputs of the Institute in the field of its expertise.

Thesis/Dissertation/ Project Guided/Supervised:

- Ph.D. (Applied Geology)-06 Completed, 05 Undergoing
- M.Tech.(Applied Geology)-12 (Completed)
- B.Tech.(Mining Engineering)- 02 (Completed)

Research Areas:

- Hydrogeology
- Environmental Geology
- Water Resource Management
- Remote Sensing and GIS

Foreign Visits:

- [1] Visited Serbia for the attending International Course and Field Seminar on Characterization and Engineering of Karst Aquifers organized by Centre for Karst Hydrogeology, University of Belgrade - Faculty of Mining and Geology, Belgrade, Serbia during 27 May 2019-01 June 2019.
- [2] Visited Hong Kong for the attending and Research Paper Presentation in the 247th International conferences on Engineering and Natural Science (ICENS) held at Hong Kong during 27-28 August 2017.
- [3] Visited USA for the attending International Conference and Research Paper Presentation in the International conference held from dated 23 May, 2016 to 27 May, 2016 at Harvard Medical School, Harvard University, 77 Avenue Louis Pasteur, Boston, Massachusetts.
- [4] Visited Malaysia 4th International Conference on Advances in Social Sciences (ICASS) (Kuala Lumpur) held at Kuala Lumpur 218 Jalan Ipoh, 51200 Kuala Lumpur during 27th and 28th December, 2014.
- [5] Visited Italy for the attending International Conference and Research Paper Presentation held at the Ca' Foscari University of Venice, Santa Croce 2161, 30135 Venice, Italy, from 30 June to 3 July 2014.
- [6] Visited in Bangkok (Thailand) for the attending International Conference and Research Paper Presentation during March 17-18, 2012.

**Professional/Recognition/Responsibilities/Award/Honors/
Achievements/:**

❖ **Editor/Reviewer:**

- [1] Environmental Earth Sciences.
- [2] Water Resources Management
ISSN: 0920-4741 (Print) 1573-1650 (Online)
- [3] Geocarto International
ISSN: 1010-6049(Print) ISSN: 1752-0762(Online)
- [4] Journal of Water Supply: Research and Technology—AQUA
- [5] SSARSC International Journal of Geo Science and Geo Informatics –
ISSN 2348-6198
- [6] Journal of Water Resource Engineering and Management (JoWREM)
eISSN: 2349-4336
- [7] Journal of Geotechnical Engineering (JoGE)
eISSN: 2394-1987
- [8] International Journal of Geological and Geotechnical Engineering
- [9] International Journal of Water Resources Engineering

❖ **Membership:**

- [1] Lifetime Member, Geological Society of India
- [2] Lifetime Member, Indian Association of Hydrologists
- [3] Lifetime Member, Indian Association of Soil and Water Conservationists
- [4] Lifetime Member, Soil Conservation Society of India
- [5] Member, International Association for Promoting Geoethics (IAPG)
- [6] Member, International Association of Hydrogeologists
- [7] Lifetime Member, South Asian Association of Economic Geologists
- [8] Lifetime Member, India Society of Remote Sensing
- [9] Lifetime Member, India Society of Geomatics

[10] Member, International Association of Geoscience Diversity

[11] Honorary Lifetime Fellow Member, Scientific Society of Advanced
Research and Social Change

[12] Lifetime Member, Geological Association and Research Centre
Balaghat, Madhya Pradesh

❖ **Best Paper/ Poster Presentation award:**

[1] A poster entitled "Development of the web based spatial decision support system for soil conservation measure" presented in National conference on Farmers First for conserving soil and water resource in eastern region (FFCSWR-2019) which was held at Sunabeda, Korput, Odisha during 06th-08th February, 2019. Based on effective presentation and excellent works, research paper was adjudged as the best poster of the conference.

[2] A research paper entitled "Groundwater Potential Study Using Remote Sensing and GIS Techniques in Durg district of Chhattisgarh, India" presented in an 4th International Conference on Advances in Social Sciences (ICASS-2014) which was held at Kuala Lumpur, Malaysia during 27th-28th December, 2014. Based on effective presentation and excellent works, research paper was adjudged as the best Paper Presentation of the conference.

❖ **Resource person/ Keynote Speaker/ Chaired Session**

[1] Delivered Invited talk entitled " Groundwater: A Valuable but Diminishing Resource" in the 169th Foundation Day Celebration of GSI scheduled from 4th - 6th March, 2019 organized by Government of India Ministry of Mines Geological Survey of India Central Region, Nagpur State Unit: Chhattisgarh, Raipur

[2] Attended and delivered Invited talk entitled " SandMIS: An Android Based Sand Mining Monitoring Information System" in the State Level Conference on "Sand Replenishment Study" scheduled on dated 5th

January 2019 organized by Directorate of Geology and Mining, Raipur, Chhattisgarh, Govt. of Chhattisgarh

- [3] Keynote presentation entitled " Groundwater: It is a Resource not a Source " in 2nd National Conference on "Current Practices in Mining and Allied Industries" CPMAI on 6th -7th October 2018, at Department of Mining Engineering of Government College of Engineering, Keonjhar
- [4] Delivered guest lecture entitled "Basic Hydrogeology" from dated 08th Feb 2018 dated 09th Feb 2018 in the office of Executive Engineer, Rural Engineering Service, Mandla, Govt. of Madhya Pradesh
- [5] Delivered guest lecture entitled "Basic Hydrogeology" on dated 01st Feb 2018 in the office of Executive Engineer, Rural Engineering Service, Dindori, Govt. of Madhya Pradesh.
- [6] Chaired session in the Workshop on Groundwater Management and its issues in Chhattisgarh. Organized by Central Ground Water Board, NCCR, Ministry of Water Resources, River Development & Ganga Rejuvenation. Govt. of India on January 17th, 2018 at Ravisankar Sukla University, Raipur, Chhattisgarh
- [7] Delivered guest lecture entitled "Ozone Layer Depletion – Causes, Effects and Solutions" on date 16th September 2016 in the World Ozone Day at Chhattisgarh Science Centre, Raipur, Govt. of Chhattisgarh, Raipur Chhattisgarh.
- [8] Chaired session in the International Conference dated on 23 May 2016 at Harvard Medical School, 77 Avenue Louis Pasteur, Boston, Massachusetts.
- [9] Chaired session in the International Conference held at the Ca' Foscari University of Venice, Santa Croce 2161, 30135 Venice, Italy, on dated 30 2014.

❖ **Recognition /Responsibilities**

- [1] Head, Department of Applied Geology, NIT Raipur
- [2] Dr. D.C. Jhariya is an External Expert in the CGWA- Expert Appraisal Committee, NCCR, Govt of India for appraisal of the Impact

Assessment Report/Comprehensive Hydrogeological Report/
Groundwater Modelling

- [3] Prof. In-charge, Go Green Committee, NIT Raipur.
- [4] Prof. In-charge, Security, NIT Raipur.
- [5] Nodal officer, Ministry Swacchta Abhiyan, NIT Raipur
- [6] Coordinator, Ek Bharat Shreshtha Bharat (EBSB) Cell, NIT Raipur
- [7] Member, Quality Circle Committee, National Institute of Technology, Raipur
- [8] Member, Cultural Committee, NIT Raipur
- [9] Assistant Superintended Examination, National Institute of Technology, Raipur (Chhattisgarh) during the Examination of Years 2011, 2012, 2013, 2014, 2017, 2018 and 2019.
- [10] TEQIP Coordinator, Department of Applied Geology, NIT Raipur
- [11] Member, Departmental Academic Committee (DAC), Department of Applied Geology, NIT Raipur
- [12] Member, Departmental Grievance Committee, Department of Applied Geology, NIT Raipur
- [13] Member, Departmental Purchase Committee, Department of Applied Geology, NIT Raipur
- [14] Member, Departmental Purchase Committee, Department of Mining Engineering, NIT Raipur
- [15] Member, Departmental Grievance Committee, Department of Mining Engineering, NIT Raipur
- [16] Member, PhD, Departmental Guidance Committee, Department of Computer Application, NIT Raipur
- [17] Member, PhD, Departmental Guidance Committee, Department of Applied Geology, NIT Raipur
- [18] Member, PhD, Departmental Guidance Committee, Department of Mining Engineering, NIT Raipur

[19] Member, PhD, Departmental Guidance Committee, Department of Architecture, NIT Raipur

[20] Member, PhD, Departmental Guidance Committee, Department of Civil Engineering, NIT Raipur

[21] Served as Corporals, NCC-Junior Division, Jaggannath Higher Secondary School Chhindwara (Madhya Pradesh) 24 M.P. Battalion Chhindwara during 1997-98.

[22] Representation NIT Raipur as a player in Badminton and Chess Games in the Inter-NIT sports competition for Faculty and Staff member during 2019, 2020 and 2022.