

Name : Ms. Apurva Dilip Fuladi
Designation : Assistant Professor,
Department of Geology,
SSES Amt's Science College,
Congress Nagar, Nagpur-440012
Maharashtra, India.

Residential Address : Bajrang Chowk, Budhwara, near Juni Kotwali,
Amravati-444601
Maharashtra, India.

E-mail ID : apurva.8july@rediffmail.com;
apurva.fuladi@sscnagpur.ac.in

Educational Qualification : M.Sc (Geology), SET, Ph.D pursuing

M.Sc.	S. G. B. Amravati University	Geology	I Second merit position
SET	Savitribai Pune University	Earth, Atmospheric, Ocean and Planetary Science	-
Ph.D.	R.T.M Nagpur University	Hydrogeology	

Title of Thesis : "Hydrogeological Study of the Over-Exploited WRC-1 Watershed, Chargarh River Basin, Amravati District, Maharashtra, India".

Teaching Experience : 1. Presently working as Assistant Professor joined Geology Dept. on 17th Oct. 2019 at Shri. Shivaji Science College, Congress Nagar, Nagpur. Total Experience- 3 Yrs. 6 Months.
2. As Contributory Lecturer (CHB)

- Six years experience in Dept. of Geology, Shri. Shivaji Science College, Amravati (2013 to 2019) (Fixed pay Teacher)
- one year experience in Civil Engg. Department, Prof Ram Meghe Institute of Technology and Research, Badnera, Amravati (2008-2011).

3. Have Designated as GIS Analyst in ATLAS Geographic Data Private Ltd, Pune (on during year 2012).

Project, Training and Courses Undergone:

1. Project on *(PG-2011)*-”Petrographic and Ichanological studies of sedimentary rocks exposed at Wadi village(Jhura Dome), Palanpur Area, Kutchchh Mainland, GUJRAT.”
2. Project on *(PGDWTM 2013)* - “Geological and Hydrogeomorphological Study For water Resource Development and Management of PILI River basin- A Sub-Tributary of Sapan River (Tributary of Chandrabhaga River) Achalpur-Paratwada Taluka in Amravati District, Maharashtra and Betul District, Madhya Pradesh with Emphasis on GIS and Remote Sensing Technique”.
3. One Week Training or certificate course on “Geological mapping around Ramtek area, part of Sauser Mobile Belt”, Organized by Geological survey of India (GSI), Regional training institute Central Region, Nagpur. Training was performed during the period of 18th May - 23rd May 2011.
4. Three month certificate course on GIS and ERDAS (2012).
- 5..e-Training on “Basic Course on Mineral Prospecting and Exploration, Resource Estimation-Techniques, UNFC, Amended MMDR Act 2015, NMEP and NMP” conducted by RTD, CR, GSITI, Nagpur from 08.06.2020 to 13.06.2020.
6. Three days online (MS Teams) training course on "Regional Ground water Management Issues" Organized by Central Ground water board, central region, Nagpur from 18 Aug. 2020 to 20 Aug. 2020.
7. e-Training on "Basics of Geographical Information System and its applications" Conducted by CGMT division of Geological Survey of India Training Institute, Hyderabad from 17.09.2020 to 19.09.2020.
8. e-training on “Refresher course on Integrated Thematic mapping in Sausar/ Sakoli Belt” conducted by RTD, CR, GSITI, Nagpur.20.10.2020 to 26.10.2020.
9. e-Training on "Application of Remote Sensing & GIS in Disaster Management" conducted by PGRS Division of GSI Training Institute, Hyderabad from 23.04.2021 to 30.04.2021.
10. One week E-Course On "Watershed Management" organized by Department of Applied Geology, School of Environmental and Earth Sciences , Kavayitri Bahinabai Chaudhari, North Maharashtra University, Jalgaon during 18 th May, 2020.
11. Ten Days International online Colloquium on "Recent Trends in Geology" (RTG -2020) Organized by Department of Geology, Periyar University PG Extension Centre, Dharamapuri. 18:th may, 2020

12. Online course on " Remote sensing and GIS Technology and Application for university Teachers and government officials which are conducted by Indian Institute of Remote sensing, ISRO, dehradun" during 13-06-2020 to 01-07-2020.

13. Online training on course on "Optical Mineralogy", conducted through GSITI website, Hyderabad, from 05-06-2022 to 05-07-2022.

14. Online training on course on "Fundamental of Medical Geology", conducted through GSITI website, Hyderabad from 05-06-2022 to 05-07-2022.

15. IP Awareness/Training program under National Intellectual Property Awareness Mission on 01 February, 2022.

16. SWAYAM online course- 4 credit course Petrology with a consolidated score of 64% from the evaluation based on continuous online assessments and the proctored examination held in the month of August 2022. This course was offered by Prof. H. Thomas of Dr. Harisingh Gour Vishwavidyalaya, Sagar.

17. First online international course on paleopedology Organised by Commission 1.6 paleopedology (International Union of Soil sciences Paleopedology working group International Union for Quaternary Research dated March 6th to 10th. 2023 (Time: 8 to 12 am, central Mexico hour).

18. Participated in the 4 Days Self-Paced Virtual International Symposium on Water, Organized by the Department of Chemistry of Shri Shivaji Science College, Nagpur, India and JAL. (Joint Asian African Labs for Water Analysis). On the occasion of World Water Day Scheduled from 22 March 2024 to 26th March 2024. This symposium aligns with UNESCO goals for promoting education and sustainable development in the field of water management.

International Conferences:

- Presented a paper entitled "Lithological studies of sedimentary rocks exposed at Wadi village (Jhura dome), Palanpur area, Kutch mainland, Gujarat. 23 March 2021, pp-148-154, Vol. No.10, special issue no. 10, International conference of Queen of Era 2021 Organized by G.S.Tompe Arts, Commerce And Science College, Chandur Bazar, Amravati, on the occasion of international women day.
- Presented a paper entitled "Watershed Management and Development Planning Using Remote Sensing and GIS Technique: A Case Study of the Shirkhed Area, Chargarh River Basin, Amravati District, Maharashtra" at the International E-Conference on Emerging Technologies and Adaptation in Geotechnical Engineering held on 8 May 2021 Organized by Department Of Civil Engineering, (Meenakshi Sundararajan Engineering College).
- Presented a paper entitled "A Case Study of the Deo River Mini -Watershed, Using Dug Well Recharge Technique: An Effective Method of Artificial Recharge" in the

three days International Conference on Advancements in Interdisciplinary Research (ICAIR-2021), jointly organised by Shia P.G.College, Lucknow, UP India during Oct. 26-28, 2021.

- Presented a paper entitled “ Sustainable to participatory watershed development in the Dhodana Mini watershed, using Remote sensing and GIS Technique ” in the Section of Earth System Sciences during the 108th Indian Science congress association held at R.T.M. Nagpur University, Nagpur, M.S. from Jan. 3 to 7, 2023.
- Presented a paper entitled, “Study of Quaternary sediments and clay Minerals of Manjra River near Dighul Beed district, in International conference on Recent Trends in Multidisciplinary Research, (ICRTMR-2023), held on Jan. 14-15 th, 2023 at Van academy, Chandrapur, M.S. India.
- Abstract entitled ““Artificial Recharge of Groundwater in The Deccan Basaltic Terrain: A Case Study of The Over-Exploited Deo River Mini-Watershed Using Dug Well Recharge Technique” in the Section of Earth System Sciences during the 108th Indian Science congress association held at R.T.M. Nagpur University, Nagpur, M.S. from Jan. 3 to 7, 2023.
- Abstract entitled ““A Case Study of the Over-Exploited Shirkhed Area, Part of Chargarh River Basin, Central India: Some Insights of Watershed Management” in the Section of Earth System Sciences during the 108th Indian Science congress association held at R.T.M. Nagpur University, Nagpur, M.S. from Jan. 3 to 7, 2023.
- Abstract entitled on " Late Quaternary History and Geomorphological mapping of Purna River Basin, Maharashtra, India. INQUA 2023 July 2023.
- Poster Presentation-entitled on Hypsometric Integral Analysis Of Asirgarh Deccan Volcanics, Burhanpur District, Madhya Pradesh - A Remote Sensing And Gis Approach. (SFR Khadri*, M. M. Deshmukh** and A. D. Fuladi****) a paper at the Deccan next International Conference, organised by the department of Geology, Savitribai Phule Pune University, India from 1-5th oct. 2023.
- Presented a paper "Identification of Suitable Sites for Artificial Recharge Measures in the Part of Dhodana Mini- watershed, Deccan Basaltic Terrain, Maharashtra State, India" in the Center for Climate Change & Water Studies (C3WS) & DCE, Chhatrapati Shivaji Maharaj University (CSMU), Panvel, Navi Mumbai, in Association with Indian National Chapter of International Association of Hydrogeologists (INC-IAH) is organizing Conference on "Addressing Groundwater Challenges of and Environmental Hazard Management through Socio scientific and Approaches Technological" on 20-21 Jan 2024 at CSMU, Panvel, Navi Mumbai.
- Poster presentation - National Conference on Empowering Women And Innovating Sustainability Bridging Lab and Land for Vikasit Bharat: Bridging Lab And Land For Vikasit Bharat, held on 26 July, 2024 at Nagpur, Maharashtra.

- participation in 1 Day Online International Workshop on Forensic Soil Science and Geology organized by Applied Forensic Research Sciences, India held on 17 November 2024.

National Seminars:

NAAC sponsored a two day National Seminar on Teaching, Learning, Evaluation and Best Practices for Quality Sustenance in Higher Education. Dec.13-14, 2019.

Workshops Attended:

1.Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Board of University Departments and Interdisciplinary Studies Three-Days Online Workshop On "Development of ICT skills for online teaching among teachers of HEI's" 24th to 26th May 2021.

2.Online Workshop On Ground water Recharge and Management, water quality analysis, Geophysical survey methods organized by department of geology, shri shivaji science college, amravati and GSDA, Amravati on 24 Aug. 2021.

3.State level Three days workshop on "Art of Documentation using IT Tools" Organized by the IQAC, Jijamata Mahavidyalaya, Buldana on 25-27 October, 2021.

4.International workshop (online) on research insights Scientific writing and publication (RISWP-2021) organized by Dept. of Microbiology in association with IQAC of SSES's Science College, Nagpur on 17-18 th Dec. 2021.

5.State level Three days workshop on "Art of Documentation using IT tools" Organized by the IQAC, Shri Shivaji College of Arts, Commerce and Science, Akola and IQAC, Jijamata Mahavidyalaya, Buldana on 25-27 October, 2021.

6. MS-DEED Level 1 In-person Workshop on 'Introduction to Innovative Pedagogies for College Teachers' conducted from 19th to 21st of January 2023 at Shri Shivaji Science College, Amravati supported by UGC-HRDC Sant Gadge Baba Amravati University.

Webinar-

1.Geological Webinar series organized by department of geology, shri shivaji science college, amravati from 11 May, 2020 to 16 May, 2020.

2. Online WGCapD webinar series on " Remote sensing in crop monitoring and assessment". Conducted by Indian Institute of remote sensing (IIRS), ISRO, during 19 May to 9 June, 2020.

3. Webinar on "New Education Policy Post Covid-19" organized by IQAC of SSES's Science College Nagpur on 20 May, 2020.

4. Webinar on "NAAC awareness program for affiliated college, Amravati" on 22 May, 2020.

5. Four days Webinar Series on "Application of Remote sensing in Hydrology and Environmental Protection for Sustainable Society" organized by Dept. of Environmental Science & Geology, Shri Shivaji Science College Amravati. On 5 to 8 June, 2020.

6. Geochron- An online lecture series on various aspects of geology, organized by Geological Institute, Department of geology, Presidency university, kolkata from 22 Aug. To 27 Aug. 2020.

7. National webinar on Geomagnetic field of Geosciences, conducted by the department of Geosciences Dr. B. R Ambedkar university, Etcherla, Srikakulam on 4 th September, 2020.

8. Online one day lecture series on the occasion of Earth science week 2020, organized by department of geology, Bhartiya Mahavidyalaya, amravati conducted during 16 Oct. 2020.

9.3 in 1 talk show with papers

Biodiversity and emergence of infectious diseases

Mass extinction through geological time scale

Water and climate related disaster in India and it's mitigation

in the webinar series sunday's spark conducted on August 19, 2020.

10. National webinar on geoinformatics and disaster management organized by yashwantrao chavan warana mahavidyalaya, warananagar (Maharashtra state) on 7th January, 2021.

11. Webinar on " Women, Water and DEvelopment: Issues, Challenges and Opportunities". Organized by school of environmental and earth Science, KBC North Maharashtra University, Jalgaon on 14-03-2022.

12. One day National webinar on "Fundamental of intellectual property rights" Organized by Internal Quality Assurance Cell (IQAC) SSES's Science College, Nagpur on 27 th May 2021.

13. Webinar on " Drone Policy and Application in Reference to Remote Sensing Data Analysis " Organized by Symbiosis Institute Geoinformatics on 15 th January, 2022.

National Conferences, Seminars Attended:

- National conference on Science and Technology : Rural Development (Sustainable Development through Science and Technology). Nov.17-18, 2019.

- National Conference on Advanced Modelling and Innovations in Water Resources Engineering (AMIWRF-2021), 20-21 February 2021, organized by the Department of Civil Engineering. National Institute of Technology Jamshedpur.
- One day multidisciplinary E-conference National conference on Recent trends in science and technology (RTST-2022) held on 25-02-2022

Inter-National Conference Participated-

1. 2nd- International E-Conference on “ Environmental Sustainability and teaching tools in Covid-19 Scenario (ICESTT-2020) during 19 th May and 20 th May, 2020 held at Jagadambha college of Engineering and Technology, Yavatmal, Maharashtra, India.
2. International E-Conference on “Role of science and technology in sustainable development- ICRSTDS-2020 Organized by Digambarrao Bindu Arts Commerce and Science college, Bhokar, Dist. Nanded On 17-18 August, 2020.
3. E- International Conference on “Queens of Era- 2021” International Journal of Science Technology and Management, 23 March 2021.
4. National E-Conference on “ Medicinal Plants: National Health and Wealth” Organized by PG Department of Botany, Dr. R. G. Bhojar arts, commerce and Science college, (Vidyabharti college) Sello, Dist- Wardha held on 04-03-2022.
5. National Seminar on Geosciences and Sustainable Development in Tribal Areas (NSGDTA-24) dated 16 & 17 December 2024.

Research Papers Published:

- ❖ Apurva D. Fuladi * and Manish S. Deshmukh** “Remote Sensing and GIS Approach to the Morphogeological Characteristics of WRC- 1 Watershed, Chargarh River Basin, Central India. Journal Indian Geological Congress Vol. 12 (1), June 2020, pp 31-39, ISSN -2229-435X.
- ❖ Ms. Apurva D. Fuladi* Ms.Pushpa Zamarkar** “Lithological studies of sedimentary rocks exposed at Wadi village (Jhura dome), Palanpur area, Kutch mainland, Gujarat” 23 March 2021, pp-148-154, Vol. No.10, special issue no. 10, International conference of Queen of Era 2021 Organized by G. S.Tompe Arts, Commerce And Science College, Chandur Bazar, Amravati, on the occasion of international women day. International Journal Of Science Technology And Management
- ❖ Ms.Pushpa Zamarkar* and Ms. Apurva D. Fuladi** The study of Quaternary sediments of Manjra River, Near Chousala, Dist. Beed.pp-245-252,Vol. No.10, special issue no. 1, International conference of Queen of Era 2021 23 March 2021 organized by G. S.Tompe Arts, Commerce And Science College, Chandur Bazar, Amravati, on the occasion of international women day.
- ❖ A. D. Fuladi* and M. S. Deshmukh**, "Lineament Mapping Using Remote Sensing and GIS Techniques in Part of WRC-1 Watershed, Chargarh River Basin, Central

India. Journal of Science and Technology." ISSN: 2456-5660 Volume 06, Issue 04, July-August 2021. International Journal Of Science Technology And Management (www.jst.org.in DOI: <https://doi.org/10.46243/jst.2021.v6.i04.pp172-182>)

- ❖ Apurva D. Fuladi * and Manish S. Deshmukh** Watershed Management and Development Planning Using Remote Sensing and GIS Technique: A Case Study of the Shirkhed Area, Chargarh River Basin, Amravati District, Maharashtra. at the International E-Conference on Emerging Technologies and Adaptation in Geotechnical Engineering held on 8 May 2021 Organized by Department Of Civil Engineering, (Meenakshi Sundararajan Engineering College.
- ❖ Ms. Pushpa Zamarkar, Mahesh Phalke and Ms. Apurva D. Fuladi, "Study of Quaternary sediments and clay Minerals of Manjra River near Dighul Beed district, in International conference on Recent Trends in Multi-disciplinary Research, (ICRTMR-2023), held on Jan. 14-15 th, 2023 at Van academy, Chandrapur, M.S. India.
- ❖ Apurva D. Fuladi * and Manish S. Deshmukh**, "Geomorphological Setup of The WRC-1 Watershed, Chargarh River Basin, Central India : Possible Implications on Hydrogeological Status. Journal of Scientific research. ISSN: Volume , Issue 04, sept 2023
- ❖ Apurva D. Fuladi * and Manish S. Deshmukh**, "Hypsometric Integral Analysis Wrc-1 Watershed Chargarh River Basin, Central India - A Remote Sensing And Gis Approach" Journal of Scientific research. ISSN: Volume , Issue 04, sept 2023
- ❖ Mahesh Phalke, P. Zamarkar and Apurva D. Fuladi, Quaternary Sediment Sand and Clay mineral study of Manjra river near Pathoda, Beed district in Vidyabharti International multidisciplinary conference on Environment : Issues, Challenges Impacts and Steps Towards Sustainable Development, ISSN: 2319-4979 on 24 th Sept. 2022.
- ❖ Fuladi, A. D. and Deshmukh, M. S. (2023) "Dynamics of the Groundwater Levels in Shallow Aquifers of WRC-1 Watershed, Chargarh River Basin, Central India", *Journal of Advanced Zoology*, 44(S-3), pp. 381–390. <http://jazindia.com/index.php/jaz/article/view/609>
- ❖ Fuladi, A. & Deshmukh, M. S. (2023). Prioritization of Watershed for GWPZ Through Remote Sensing, GIS and Integrated Weighted Sum Approach: A Case Study of Dhodana River Basin, Central India "**Journal of geoinformatics**".
- ❖ M.D. Phalke, P. B. Zamarkar, S. V. Dautpure, A. D. Fuladi (2024). Geochemical studies of groundwater and surface water from the Kapshi lake region in Akola, Maharashtra by using GIS technique. IJPREMS, e-ISSN: 2583-1062, Vol 4, Issue 10, OCT 24, pp 1230-1235.

- ❖ P.B. Zamarkar, M.D. Phalke, A. D. Fuladi (2024). Depositional processes of quaternary sediments in manjra river, TIJER, ISSN 2349 – 9249, Vol 11 Issue 11, pp a66-a77 (IF-8.57).

Life Membership:

- o Life Member, Indian Science Congress, Kolkata.
- o Life Member, Pratibha Shakti-Vidarbha-2021.
- o International Association of Hydrogeologists (INC-IAH).

Refresher/ Orientation Courses:

- o Attended Faculty Development Programme/ Orientation program organized by UGC, HRDC, RTM Nagpur University from 23-11-2020 to 23-12-2020.
- o Attended Orientation/ Induction Course organized by Ramanujan college, University of Delhi from 04/06/2020 to 01/07/2020.
- o Attended Faculty Development Programme organized by Ramanujan college, University of Delhi from 18/05/2020 to 03/06/2020.
- o Attended Refresher Course in IT Awareness (Interdisciplinary Course) organized by Academic Staff College, RTM Nagpur University from 26-07-2021 to 07-08-2021.
- o Attended Refresher Course on integrated thematic mapping in Sausar/ Sakoli belt (Geology) organized by Regional training Institute, Central Region, Geological Survey of India Training Institute, Hyderabad. from 20.10.2020 to 26.10.2020.
- o Attended Short Term Course on “Online Workshop on MOOC’s, Online Course and Open Educational Resources' ' organized by UGC-HRDC RTM Nagpur University, Nagpur from 15/11/2021 to 20/11/2021.

PATENT

- ❖ Successfully published patent on title of “SYSTEM AND METHOD FOR INTERACTIVE GEOLOGICAL SPECIMENS DISPLAY IN MUSEUMS USING QR CODES AND SMARTPHONE APPLICATION” in OFFICIAL JOURNAL OF THE PATENT OFFICE on 14/06/2024.

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Successfully published copyright in Extract from the register of Copyrights, Government of India, on title “ TALKING ROCK WEB APPLICATION” on 26/06/2024.

Successfully published copyright in Extract from the register of Copyrights, Government of India, on title “ GEOPEDIA (THE TALKING MUSEUM GUIDE” on 26/06/2024.

Successfully published copyright in Extract from the register of Copyrights, Government of India, on title “TALKING ROCK ANDROID APP”on 2024.

Academic Activities:

- o Member, Examination, RTM Nagpur University, Nagpur.
- o Internal/External Examiner for Practical Exam.RTM Nagpur University.
- o Examination, evaluation and moderation experience in College and University level.

Extra-Curricular Activities:

- Convener, Geological Society in our department.
- Convener, University Examination Result Analysis Committee 2020 onward.
- Batch Incharge, Teacher Mentor Scheme
- Member, College Magazine Committee, 2020 onward.
- Convener, N.C.C. Committee, 2019 onward.
- Organized Geology Exhibition at College level.
- Member of organizing committee-National and international conference
- Examination, evaluation and moderation experience in College and University level.