

MANISH KUMAR SINHA

Head & Assistant Professor,
Environmental & Water Resources Engineering,
University Teaching Department, CSVTU Bhilai, INDIA.

Contact No.: +91 95842 16188; +91 7987904189

E-mail: manishsinha200389@gmail.com



EDUCATION

- 13/01/2015-15/01/2022 **Ph.D.**, Research Project: "Interaction between Urbanization and Water Management"
Department of Engineering Geology and Hydrogeology, RWTH Aachen University, Germany
- 17/07/2012-31/05/2014 **Master of Technology** in Water Resources Development & Irrigation Engineering, **Gold Medallist**
Department of Civil Engineering, National Institute of Technology Raipur, India
- 08/07/2007-02/06/2011 **Bachelor of Engineering** in Civil Engineering
Bhilai Institute of Technology, Durg, India

EXPERIENCE

- 05/10/2018-29/04/2023 **Assistant Professor** at Department of Environmental & Water Resources Engineering
UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.
- 13/01/2015-30/08/2018 **Research Assistant:** Supervision of foreign exchange students study reports and master's thesis
Department of Engineering Geology and Hydrogeology, RWTH Aachen University, Germany.
- 05/06/2017-30/08/2017 **Visiting Research Fellow** under Dr. Sunil Kumar, Senior Scientist
CSIR-National Environment Engineering Research Institute (**NEERI**), Nagpur, India.
- 11/07/2011-29/06/2012 **Intern** in the development of DSS under World Bank aided Hydrology Project
State Data Centre, Water Resources Department, Raipur, Chhattisgarh.

FELLOWSHIPS/GRANTS/AWARDS/HONORS

- 4 International awards, Young Scientist Award, Gold Medal Award in M.Tech, DAAD and GATE fellowship holder

RESEARCH INTEREST

- Urban Hydrology & Water Management
- Hydrological modelling and Surface & Groundwater Hydrology
- Remote Sensing and GIS applications for Water Resources and Geosciences

SKILLS & EXPERTISE

Languages: Hindi- Native • English- Fluent • German- Elementary

Programming Language: C++, MATLAB, R Programming

Software: AutoCAD, MapInfo, QGIS, ArcGIS, ERDAS Imagine, TerrSet, HEC-HMS; RAS; DSSVue, SWAT, PCSWMM, EPA-SWMM, Flood Modeller, MIKE Flood 2D, SMS12.1, WMS10.1, Hydro GeoAnalyst, Visual-MODFLOW Flex, STATISTICA, Protégé OWL 5.0, EndNote, etc.

Hardware: expertise in areal mapping using Hybrid UAV-VTOL DONE with DGPS systems.

- Completed 14 sponsored research & industrial consultancy projects funded by State and Central government agency/PSU/departments.
- More than 30 publications in International/National Journal and Conferences.
- successfully completed and attended more than 50 professional trainings offered by nationalised training centre/central government organization/institution/professional centres.

Date: **April 29, 2023**

Place: **Raipur, INDIA**

MANISH KUMAR SINHA

NIKHIL GHODICHORE

Assistant Professor,

Environmental & Water Resources Engineering,
University Teaching Department, CSVTU Bhilai, INDIA.

Contact No.: +917795409495

E-mail: nikhilghodichore@gmail.com



EDUCATION

- 15/01/2016-ongoing **Ph.D.**, Research Project: "Improving hydrological predictions using regional scale land surface modelling: Emphasis on dynamic vegetation module"
Department of Civil Engineering, IIT Delhi.
- 01/08/2013-01/07/2015 **Master of Technology** in Water Resources Engineering and Management,
Department of Applied Mechanics, National Institute of Technology Karnataka, Surathkal, India
- 01/07/2009-01/06/2013 **Bachelor of Engineering** in Civil Engineering
Government Engineering College Raipur, India

EXPERIENCE

- 04/03/2022 onwards **Assistant Professor (temporary)** at Department of Environmental & Water Resources Engineering
UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.

ACHIVEMENTS

- 01/08/2017-30/09/2019 **DAAD Bi-nationally supervised doctoral degree scholarship, ForschungsZentrum Juelich, Germany.**

RESEARCH INTEREST

- Land use land cover change
- Climate change
- Hydrological modelling
- Surface & Groundwater Hydrology

SKILLS & EXPERTISE

Languages: Marathi, Hindi- Native • English- Fluent • German- Elementary

Programming Language: C++, MATLAB, R Programming

Software: AutoCAD, QGIS, ArcGIS, ERDAS Imagine, SWAT, Visual MODFLOW Flex, MS office & Excel.

- 6 publications in International/National Journal and Conferences.

Date: **April 29, 2023**

Place: **Raipur, INDIA**

NIKHIL GHODICHORE

SHARAD PATEL

Assistant Professor,

Environmental & Water Resources Engineering,
University Teaching Department, CSVTU Bhilai, INDIA.

Contact No.: +91 7987053619; +91 9424386247

E-mail: sharadptl8@gmail.com



EDUCATION

- 13/01/2015-15/01/2022 **Ph.D.**, Research Project: "Inverse Groundwater Modelling of Large Aquifer System by Hybrid Metaheuristic Optimizers." Department of Civil Engineering, IIT Bombay.
- 17/07/2012-31/05/2014 **Master of Technology** in Water Resources Engineering, Department of Civil Engineering, S.V.National Institute of Technology Surat, India
- 08/07/2007-02/06/2011 **Bachelor of Engineering** in Agricultural Engineering, Jawaharlal Nehru Agricultural University, Jabalpur, India

EXPERIENCE

- 20/03/2022-29/04/2023 **Assistant Professor** at Department of Environmental & Water Resources Engineering UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.
- 04/04/2022-29/04/2023 **Institute Post-Doctoral Fellow** at the Department of Earth and Environmental Sciences, Indian Institute of Science Education and Research, Bhopal, Madhya Pradesh
- 05/03/2021-29/04/2023 **Assistant Professor** at Department of Environmental & Water Resources Engineering UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.
- 07/11/2019-06/03/2020 **Research Associate** in Groundwater Hydrology Division at National Institute of Hydrology, Roorkee.
- 18/12/2018-19/06/2019 **Research Associate** at Department of Civil Engineering, IIT Bombay.
- 15/07/2013-18/06/2019 **Teaching Assistant** at Department of Civil Engineering, IIT Bombay.
- 15/07/2013-18/06/2019 **Assistant Professor** at Department of Civil Engineering, Gyan Ganga Institute of Technology and Sciences, Jabalpur, Madhya Pradesh.

FELLOWSHIPS/GRANTS/AWARDS/HONORS

- M.H.R.D. fellowship holder to perform the Ph.D. research work.
- Institute Post-Doctoral Fellowship in awarded by the , Indian Institute of Science Education and Research, Bhopal, Madhya Pradesh
- Travel grant was provided by Science and Engineering Research Board (SERB) to attend the EGU General Assembly 2023, Austria.

RESEARCH INTEREST

- Groundwater Flow and Contaminant Transport Through Porous Media
- Meshfree Method
- Evolutionary Algorithms and their Hybridizations
- Groundwater contaminant transport and its remediation

SKILLS & EXPERTISE

Languages: Hindi- Native • English- Fluent • Gujarati- Elementary

Programming Language: FORTRAN, MATLAB.

Software: AutoCAD, QGIS, ArcGIS, GMS-MODFLOW, ANSYS, Surfer.

Hardware: expertise in DGPS systems.

- More than 10 publications in International/National Journal, Conferences and book chapters with 1 national patent as well.
- Successfully completed and attended more than 5 professional trainings offered by nationalised training centre/central government organization/institution/professional centres.
- Co-guided 1 M.Tech. student of Environmental and Water Resources Engineering.
- Reviewed numerous reputed peer-reviewed journals like Water Resources Management, Hydrological Processes, ISH- Journal of Hydraulic Engineering and Institution of Engineers- Series- A journal.

Date: **April 29, 2023**

Place: **Bhilai, INDIA**

SHARAD PATEL

AMIT PRAKASH MULTANIYA

Scientific Officer,
Environmental & Water Resources Engineering,
University Teaching Department, CSVTU Bhilai, INDIA.
Contact No.: +91 8989568770
E-mail: scientificofficer@csvtu.ac.in, amultaniya@gmail.com



EDUCATION

2008	Post Graduate Diploma in RS & GIS Application for Natural Resources Management with Specialization in Marine and Atmospheric Sciences, Indian Institute of Remote Sensing, ISRO, Dehradun, Uttarakhand, India
2005–2007	Master of Science in Geology Department of Geology, Ranchi University, Ranchi, Jharkhand, India
2002–2005	Bachelor of Science in Geology St. Xavier College, Ranchi University, Ranchi, Jharkhand, India

EXPERIENCE

19/02/2021-Till date	Scientific Officer at Department of Environmental & Water Resources Engineering, UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.
26/08/2011-18/02/2021	Project Scientist at Chhattisgarh Council of Science and Technology, Raipur, Chhattisgarh, India.
31/12/2010-20/07/2011	Geophysicist (Operations and processing) at Tojo Vikas International Pvt. Ltd., Delhi, India.
27/04/2009-25/12/2010	Senior Executive (Operations and processing) at Paras Equipment's and Engineering Pvt. Ltd., Delhi, India.

PARTICIPATION IN POLICY REFORM/ FRAMING ACTIVITIES

- Member of District Level Environment Impact Assessment Authority (DEIAA) for grant of environmental clearance for Category 'B2' Projects for mining of minor minerals for Mahasamund district, Chhattisgarh.

RESEARCH INTEREST

- Geological & Geophysical Investigation
- Groundwater Hydrogeology
- Remote Sensing & GIS and Geomatics applications for Earth and Atmospheric sciences

SKILLS & EXPERTISE

Languages: Hindi- • Native • English- Fluent

Programming Language: HTML, C+,

Software: ENVI, ERDAS IMAGINE, LPS, Arc View, Arc Map, Collateral 3D, CW Commander, Agisoft Metashape MapInfo, WaterGEMS, Surfer, ILWIS, QGIS, AutoCAD, Hypack, Geosoft, RESSAS, TBC, and LGeo, etc.

Hardware: Expertise in Satellite and areal mapping using Hybrid UAV-VTOL DONE with DGPS and GNSS systems, Ground Penetration Radar, Seismological Instruments, Geiger Muller counters.

- Completed 101 sponsored research & industrial consultancy projects funded by State and Central government agency/PSU/departments.
- 09 publications in International/National Journal and Conferences.
- Successfully completed and attended more than 20 professional trainings offered by nationalised training centre/central government organization/institution/professional centres.

Date: **April 29, 2023**

Place: **Raipur, INDIA**

AMIT PRAKASH MULTANIYA

ABHISHEK MISAL

Consultant (Engineer)

Department of Environmental and Water Resources Engineering
University Teaching Department, CSVTU Bhilai (C.G.)

Contact No.:9039629718

E-mail: abhishekmisal18@gmail.com



EDUCATION

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| 2009-2011 | Master of Technology in Instrument & Control
Department Electronics and Tele Communication Engineering BIT Durg (C.G) |
| 2001-2006 | Bachelor of Engineering in Electronics and Tele Communication Engineering
Chhatrapati Shivaji Institute of Technology Durg |

EXPERIENCE

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|-----------------------|---|
| 1/07/2007-30/01/2007 | Assistant Professor at Department of Information Technology
SSTC Bhilai, Chhattisgarh, India. |
| 30/01/2007-18/07/2019 | Senior Assistant Professor at Department of Information Technology
CSIT Durg, Chhattisgarh, India. |
| 18/07/2019-29/04/2023 | Assistant Professor at Department of Biomedical Engineering & Bioinformatics Engineering
UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India. |
| 07/11/2020-15/03/2022 | Consultant (Engineering) at Department of Environmental & Water Resources Engineering
UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India. |

ACHIVEMENTS

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|-----------------------|--|
| 2011 | Secured 3rd rank in University merit List |
| 01/09/2021-31/10/2021 | Worked as Tutor for the Online Vocational Training on Robotics and Embedded System Organized by CSDIE, CSVTU Bhilai |

RESEARCH INTEREST

- Digital signal Processing and its applications in field of bio-medical signal processing
- Image Segmentation
- Images Security and Video Processing

SKILLS & EXPERTISE

Languages: Hindi- Native • English- Fluent

Programming Language: C++, MATLAB, Python Programming

Software: Lab view, MS office & Excel, Python etc.

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Hardware: expertise in embedded system and electronics devices

- More than 31 publications in International/National Journal and Conferences.
- Successfully completed and attended more than 06 professional trainings offered by nationalised training centre/central government organization/institution/professional centres.
- Members of 5 professional Bodies

Date: **April 29, 2023**

Place: **Bhilai, INDIA**

ABHISHEK MISAL

SHUBHAM

Consultant (Engineering)

Department of Environmental and Water Resources Engineering
University Teaching Department, CSVTU Bhilai (C.G.)

Contact No.: 7987219972

E-mail: shubhamchandrakar386@gmail.com



EDUCATION

- 26/10/2017-29/02/2019 **Master of Technology** in Environmental and Water Resources Development,
Department Environmental and Water Resources, University Teaching Department Chhattisgarh
Swami Vivekanand Technical University Bhilai (C.G.)
- 15/07/2012-13/01/2017 **Bachelor of Engineering** in Civil Engineering
Chhattisgarh Institute of Technology Rajnandgaon (C.G.)

EXPERIENCE

- 26/05/2020-29/04/2023 **Junior Consultant** at Department of Environmental & Water Resources Engineering
UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.
- 1/06/2021-15/03/2022 **Consultant** at Department of Environmental & Water Resources Engineering
UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.

RESEARCH INTEREST

- Urban Hydrology & Water Management
- Climate Change & Land Surface Modelling
- Remote Sensing and GIS applications for Water Resources and Geosciences

SKILLS & EXPERTISE

Languages: Hindi- Native • English- Fluent

Programming Language: C++, MATLAB, R Programming

Software: AutoCAD, QGIS, ArcGIS, ERDAS Imagine, TerrSet, HEC-HMS; RAS, PCSWMM, EPA-SWMM, MIKE Flood 2D, EndNote, Geomedia, Watergem etc.

Hardware: expertise in areal mapping using Hybrid UAV-VTOL DONE with DGPS systems.

- Completed 6 sponsored research & industrial consultancy projects funded by State and Central government agency/PSU/departments.
- 05 publications in International/National Journal and Conferences.
- Successfully completed and attended more than 20 professional trainings offered by nationalised training centre/central government organization/institution/professional centres.

Date: **April 29, 2023**

Place: **BHILAI, INDIA**

SHUBHAM

SURYKANT DEWANGAN

Consultant (Engineer)

Department of Environmental and Water Resources Engineering
University Teaching Department, CSVTU Bhilai (C.G.)

Contact No.:7000345629

E-mail: dewangansurya1996@gmail.com; Consultantuav2@csvyu.ac.in



EDUCATION

- 16/08/2019-02/06/2021 **Master of Technology** in Environmental and Water Resources Development,
Department Environmental and Water Resources, University Teaching Department Chhattisgarh
Swami Vivekanand Technical University Bhilai (C.G)
- 15/07/2013-11/07/2017 **Bachelor of Engineering** in Civil Engineering
Central College of Engineering and Management Raipur

EXPERIENCE

- 01/06/2021-15/03/2022 **Consultant** at Department of Environmental & Water Resources Engineering
UTD, Chhattisgarh Swami Vivekanand Technical University Bhilai, Chhattisgarh, India.

ACHIVEMENTS

- 03/08/2020-04/09/2020 **MIKE URBAN+,DHI (India) Water & Environment Pvt Ltd**
(International Internship)
- 01/07/2020-31/10/2020 **Worked as Tutor for the Online Vocational Training on GIS Software**
Organized by CSDIE, CSVTU Bhilai

RESEARCH INTEREST

- Urban Hydrology & Water Management
- Hydrological modelling and Surface & Groundwater Hydrology
- Artificial Intelligence and Machine Learning in Hydrological Modelling
- Remote Sensing and GIS applications for Water Resources and Geosciences

SKILLS & EXPERTISE

Languages: Hindi- Native • English- Fluent

Programming Language: C++, MATLAB, R Programming

Software: AutoCAD, QGIS, ArcGIS, ERDAS Imagine, TerrSet, HEC-HMS; RAS, SWAT, PCSWMM, EPA-SWMM, MIKE Flood 2D,EndNote, ENVI Bentley Software Water-Gem, MS office & Excel, Python in Water resources etc.

Hardware: expertise in areal mapping using Hybrid UAV-VTOL DONE with DGPS systems.

- 1 publications in International Conferences.
- Participating and successfully completing more than 20 professional trainings offered by nationalised training centre/central government organization/institution/professional centres.

Date: **April 29, 2023**

Place: **Raipur, INDIA**

SURYKANT DEWANGAN