

	<p>Rohit Maurya Assistant Professor Hindustan College of Science and Technology Mathura-281122 Contact: +91-9897042913 Email: rohit.maurya.hcst@sgei.org</p>
Qualification	: Ph.D (Pursuing in Geo-environmental Engineering), M.Tech (Geotechnical and Geo-environmental Engineering)
Department	: Civil Engineering
Experience (Academics/Industry/Research)	: 8 Years
Research Interest	: Advanced geo-reinforcing material, Reinforced Soil, Soil-structure interaction, Advanced building material, Self retaining structure.
BTech/MTech/MPhil Dissertation supervised	B. Tech : 15
Sponsored Research Project / Consultancy	: <ul style="list-style-type: none"> i. Soil testing for Mittal publication ltd., SPT, soil classification, field test has been conducted in Mathura with an estimated amount of 54,000/- Rs... ii. Planning, designing, drafting, estimation, and construction of 3 BHK plots with 2 basements in KalindiVihar, Agra. iii. Planning, designing, drafting of 3BHK plot in Shashtri-Puram, Agra, and Sultanpur, UP. iv. Material Testing (Soil Characteristics, Concrete strength, steel bars tensile strength)
Research Publications	: Journal 05 Conference 11
Journals:	
<ul style="list-style-type: none"> i. RohitMaurya, Umesh Kumar, “Utilization Methods of Polymer Waste in Geotechnical Applications” (Page 1-7) International Journal of Scientific and Research Publications, Volume 5, Issue 10, October 2015 ISSN 2250-3153 I.F- 3.27 ICV: 68.45 Page 1-7 ii. Anoop Singh Chandel, RohitMaurya, Umesh Kumar, “A Conspectus on Serviceability of Coir Fibres in Civil Engineering” (P357-360) International Journal of Scientific and Research Publications, Volume 6, Issue 1, January 2016 ISSN 2250-3153 I.F- 3.27 ICV: 68.45 Page 357-360 iii. RohitMaurya, Anoop Singh Chandel, Umesh Kumar, “Comparative Study of Various Soils upon Addition of Different Materials on the Basis of Hydraulic Conductivity Parameter”. (Page 107- 	

111) International Journal of Engineering Research & Technology (**IJERT**) Vol. 5 Issue 05, May-2016 ISSN **2278-0181** I.F- 2.85 Crossref - DOI Prefix: 10.17577 Page 107-111

- iv. Shashi Kant Dubey, **RohitMaurya**, “Biochemical Treatment of Textile Wastewater”. International Journal for Research in Applied Science and Engineering Technology 2017 (**IJRASET**) Volume 6, Issue I, ISSN: **2321-9653** I.F- 6.887 IC Value: 45.98 **Thomson Reuters Researcher ID**: N-9681- 2016 Crossref - DOI Prefix: 10.22214 Page No.: 266-263
- v. Shashi Kant Dubey, **RohitMaurya**, “Water Quality Status of Yamuna River”, International Journal of Pure and Applied Research in Engineering and Technology, ISSN: **2319-507X** Impact Factor: 4.226 IF: 6.814 (SJIF) DOI PREFIX: 10.32357, Page No.: 277-284

Conference:

RESEARCH PAPER (INTERNATIONAL CONFERENCES):

- i. **RohitMaurya**, Umesh Kumar, M. K. Gupta, “Hydraulic Conductivity for Silty Soil Added with Plastic Wastes”. (P157-161) Two-day International Conference on Emerging Trends in Civil Engineering **ICETCE-16** Oct 21-22 KNIT, Sultanpur ISBN **978-93-86256-07-2**
- ii. AparnaVerma, **RohitMaurya**, B. N Rai, “Role of Geosynthetics In Rural Roads”. (P180-182) Two-day International Conference on Emerging Trends in Civil Engineering **ICETCE-16** Oct 21-22 KNIT, Sultanpur ISBN **978-93-86256-07-2**
- iii. **RohitMaurya**, Umesh Kumar, “The Study of Hydraulic Conductivity of Soils Added with HDPE Plastic Waste”. Two-day International Seminar on Sources of Planet Energy, Environmental and Disaster Science Challenges and Strategies **SPEEDS-16** Nov 19-20 SMS, Lucknow ISBN: **978-81-931392-9-5**
- iv. **RohitMaurya**, NishuVerma, “Environmentally Sustainable innovative entrepreneurship A Conspectus”. (P27-31) International Conference on Innovative Entrepreneurship and Start-up - 2017 Mar 03-04 KNIT, Sultanpur ISBN: **978-93-86256-55-3**
- v. NishuVerma, **RohitMaurya**, “Effect of Major Environmental Issues on Building Materials: A Review”. Two-day International Seminar on Sources of Planet Energy, Environmental and Disaster Science: Challenges and Strategies **SPEEDS-17** DEC 9-11 SMS, Lucknow Awaited
- vi. **RohitMaurya**, “A Short Conspectus on Climate Change and Its Effects on Water Resource and Agriculture”, International Conference on Innovative Entrepreneurship and Start-up -2017 on Role of Genetics Epigenetics, Environment and Nutrition Towards Plant Animal and Human health under climate change (**GEENPAHH-2019**) February 22-24, 2019, HCST, Agra

RESEARCH PAPER (NATIONAL CONFERENCES):

- i. **RohitMaurya**, ShubhenduVikram Singh, “Recent Trends in Blast Resistant Construction”. All India Seminar on “Innovative Building Materials and Technology for Sustainable Constructions” **BMTSC-16** Aug 22-23 IEL, Lucknow
- ii. ShubhenduVikram Singh, **RohitMaurya**, “Spatial Distribution of Physical and Chemical Parameters of Water in Lucknow District”. All India Seminar on “Innovative Building Materials and Technology for Sustainable Constructions” **BMTSC-16** Aug 22-23 IEL, Lucknow
- iii. **RohitMaurya**, N.k. Saxena, AnupamVarma, “Conspectus on Influence of Seismic and Dynamic Loading in Soil-Structure Interaction with Various Recent Studies”. Two-day National Conference on Recent Trends in Engineering and Technology **COLLOQUY 2016** Mar 12-13 BIT, Gorakhpur
- iv. **RohitMaurya**, “The Cognizance of Systems in Conscious”. **IEEE** Sponsored National Systems Conference **NSC - 2017** Dec 01-03 DEI, Agra
- v. Shashi Kant Dubey, **RohitMaurya**, “Water Quality Status of Yamuna River”, International Journal of Pure and Applied Research In Engineering And Technology, “Technology Enabling Modernization of Rural India (**TMRI- 2018**)” Mar 18-19 G. V. S. E. T., Jaipur

Patents: (Filed)	
<ul style="list-style-type: none"> i. “An IOT Based Industrial Waste Management Monitoring Techniques” Application No- 202141059421, Date of Filing- 20/12/2021 ii. “A Machine Learning Based Technique for Detecting Quality of Concrete Mixture” Application No- 202241009068, Date of Filing- 21/02/2022 iii. “A System to Predict the Occurrence of Cracks on Walls by Analysing the Concrete Mixture Using Machine Learning Techniques” Application No- 202241014162, Date of Filing- 16/03/2022 iv. “Method of developing sustainable concrete incorporating coal bottom ash to mitigate carbon footprints” Application No- 202211071423, Date of Filing- 11/12/2022 v. “To develop insulating brick by waste agro materials” Application No- 202211058648, Date of Filing- 13/10/2022 	
Book / Book Chapter	:
MOOC Courses/Certifications	NIL
Workshops/Training (Organized / Attended)	<ul style="list-style-type: none"> i. Participated in Three-day Lecture series on “35th Indian Engineering Congress” organized by Civil Engineering Division, Institution of Engineers of India, Lucknow 18-20 Dec 2020. ii. Participated in One Week Online Short-Term Training Programme on “Post Covid Challenges in Infrastructural and Environmental Engineering” organized by Department of Civil Engineering, Pillai HOC College of Engineering and Technology, Rasayani from 8th June to 12th June 2020. iii. International workshop on Education 4.0: “Transformation and Learning Environment” organized by Rajkiya Engineering College, Banda in collaboration with Consilio Intelligence Research Lab, Noida, during 29-30 June. iv. Methodology Workshops, “GIS-Based Development by TEQUIP”. Kamla Nehru Institute of Technology from 18/09/2015 to 19/09/2015 2 DAYS v. Workshop, “A CADSHOP Training”. Kamla Nehru Institute of Technology from 11/01/2016 to 12/01/2016 2 DAYS vi. Short Term Course, “Application of MATLAB in Engineering”. Malviya National Institute of Technology from 20/07/2017 to 24/07/2017 5 DAYS vii. Workshop, “Micronutrient and Heavy Metal Analysis”. Soil testing Lab of EKO PRO Engineers PVT. Ltd from 05/10/2017 to 04/11/2017 30 Days <p>E- WORKSHOP & TRAINING:</p> <ul style="list-style-type: none"> i. Participated and completed the ‘NGP-DST Winter School on Geospatial Technologies (Level 1) conducted from 15

	<p>Nov. to 9 Dec. by Multidisciplinary Centre for Geoinformatics, Delhi Technological University, New Delhi, India and supported by National Geospatial Program-Department of Science and Technology, Government of India, New Delhi.</p> <p>ii. Participated and completed AICTE Sponsored Online Short-Term Training Programme(STTP) under Quality Improvement Program on “Environmental Modelling and Practices” during 21st - 26th Dec 2021 organized by the Department of Civil Engineering, MITS, Gwalior (Autonomous).</p> <p>iii. Participated in TEQIP-III sponsored National workshop on “Source Apportionment Studies for the Mitigation of Air Pollution” on 13 Sept 2020, organized by the Department of Civil Engineering, Madhav Institute of Technology and Science, Gwalior (A Govt. Aided UGC Autonomous Institute Affiliated to RGPV, Bhopal, M.P.)</p> <p>iv. participated in the four days “International Virtual Short-Term Course on Futuristic Prospects of Geo-environmental and Geotechnical Issues of Coal Mine Overburden and Mine Tailings” conducted during 15 to 18 March 2021. Sponsored by SPARC, MHRD, GOI and organized by IIT (Dhanbad) and UIC, USA.</p> <p>v. Completed the course on “Geospatial Information Technology (GIT) in Fragile Contexts” developed by United Nations Institute for training and Research (UNITAR).</p> <p>vi. Attended the one-day workshop on “Elsevier Author Workshop: Essentials of Research Article Writing” at Nalanda E-Consortium, AKTU Lucknow, on Friday 28 May 2021 Presented by Vishal Gupta Senior Customer Consultant-Elsevier.</p> <p>vii. Successfully qualified One week (Online) Short Term Training Programme on “Water Quality Complication, Restoration and Environmental Conservation of Existing Water Bodies” Module-I (2nd Aug to 7th Aug 2021) sponsored by AICTE, New Delhi and organized by Civil Engineering Department, IPS Academy, Institute of Engineering and Science, Indore.</p> <p>viii. Attended the one-day workshop on “Publishing Webinar-Tips from the Editors” at Indian Council of Medical Research, on Tuesday 30 March 2021 Presented by Rupa Sarkar, Editor-in-Chief, The Lancet Digital Health, vinitasaroha, Customer Consultant.</p> <p>ix. Attended the one-day workshop on “Virtual Geology Field Trips in the Himalaya and the DharwarCraton – How Geofacets Supports Geoscience Research and Education?” at Elsevier, on Monday 01 March 2021 Presented by Dr. Sandra Merten, Sr. Product Manager, Manish Uniyal, Sr. Marketing Manager.</p> <p>x. Participated and completed AICTE Sponsored Online Short-Term Training Programme(STTP) on “Advances in Finite Element Method for Industry &Research</p>
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	<p>Applications” during 3rd - 8th August 2020 organized by the Department of Civil Engineering, Vasavi College of Engineering (Autonomous), Hyderabad.</p> <p>xi. One day workshop on “SIG Workshop: Design of Columns and Shear Walls”, Organized by Bentley Institute on 24 September 2020.</p> <p>xii. One day workshop on “SIG Workshop: Modelling and Advanced Analysis for Tall Buildings – Part 2”, Organized by Bentley Institute on 10 September 2020.</p> <p>xiii. One day workshop on “SIG Workshop: Modelling of Concrete Building Structures 2”, Organized by Bentley Institute on 13 August 2020.</p> <p>xiv. Participated and completed “21 days online GIS training in QGIS”, conducted by the Department of Geography, School of Earth Sciences, Central University of Karnataka, India, jointly with State Institute of Urban Development, Karnataka, India from 13.7.2020 to 2.8.2020.</p> <p>xv. One day workshop on “SGI Workshop: Modelling of Concrete Building Structure I”, Organized by Bentley Institute on 23 July 2020.</p> <p>xvi. Participated in One Week online STTP on “BRIDGE ENGINEERING: Design, Execution, and Maintenance & Rehabilitation”, Organized by the Department of Civil Engineering, Sinhgad College of Engineering, Pune, and Indian Institution of Bridge Engineers Pune, on 13th to 17th July 2020.</p> <p>xvii. Participated in One Week online STTP on “Post Covid Challenges in Infrastructural and Environmental Engineering”, organized by Department of Civil Engineering, Pillai HOC College of Engineering and Technology, Rasayani from 8th June to 12th June 2020.</p> <p>xviii. Participated in three days online short-term course on “Recent Developments in Concrete and Assessment of RCC Structures”, Organized by Civil Engineering Department, Rajasthan Technical University, Kota as part of the TEQIP III Twinning activity with Construction Engineering Department, Jadavpur University, Kolkata.</p> <p>xix. Participated in an International workshop on “Education 4.0: Transformation of Learning Environment” organized by Rajkiya Engineering College, Banda, in collaboration with Consilio Intelligence Research lab, Noida during 29-30 May 2020.</p>
<p>FDP (Organized / Attended)</p>	<p>i. Faculty Development Programmes, “Role of Academic Leadership in Meeting Institutional Challenges”. Organized by Hindustan Institute of Management & Computer Studies Farah, Mathura sponsored by AKTU 10-14 Feb 2021</p> <p>ii. Faculty Development Programmes, “Disaster Management & Mitigation Measures”. Kamla Nehru Institute of Technology from 26/04/2016 to 30/04/2016 5 DAYS</p>

- iii. Faculty Development Programmes, “**Human Values and Professional Ethics**”. Hindustan College of Science and Technology from 07/06/2017 to 14/06/2017 8 DAYS
- iv. Faculty Development Programmes, “**Human Values and Professional Ethics level -1 refresher**”. Hindustan College of Science and Technology from 13/12/2017 to 20/12/2017 8 DAYS
- v. Faculty Development Programmes, “**Entrepreneurship**”. Hindustan College of Science and Technology from 04/01/2018 to 15/01/2018 12 DAYS
- vi. Faculty Development Programmes, “**MATLAB and Its Applications in Engineering**”. Hindustan College of Science and Technology from 04/06/2018 to 09/06/2018 5 DAYS
- vii. Faculty Development Programmes, “**Environmental Management and Smart Cities**”. Hindustan College of Science and Technology from 09/06/2018 to 13/06/2018 5 DAYS
- viii. Faculty Development Programmes, “**Human Values and Professional Ethics level -2**”. Hindustan College of Science and Technology from 21/12/2018 to 28/12/2018 8 DAYS

E-FDP:

- i. Participated in 6 days **ENVIRO WEBTALKS 2021** International Environmental Engineering Webinar Series held during 17 to 22 May 2021, organized by school of engineering, Lovely Professional University, Punjab.
- ii. Participated in 6 days **WEBSTRUCT- International Structural Engineering Webinar Series** held during 21 to 26 June 2021, organized by school of engineering, Lovely Professional University, Punjab.
- iii. Participated in One Week Indo-Russian Faculty Development Programme on “**Advancements in Earthquake Engineering**” organized by RGPV, under TEQIPIII in association with Civil Engineering Department of IPS Academy, Institute of Engineering & Science, Indore. TEQIP/FDP/EQ/220
- iv. Participated in 5 days International Faculty Development Programme on “**Advanced Research Methods: Enabling Quality Research Publication**” organized by Institute of Technology and Science from 30th June to 4th July 2020.
- v. Participated in a One-week Faculty Development Programme on “**Transformation Education with Industry 4.0**” organized by Department of CSE and IT, Jaypee University of Information and Technology, Wagnaghat Solan, HP, India from 15th June to 20th June 2020. Certificate No: FDPTEI2020/ CPP/0143

Achievements	
Award	<ul style="list-style-type: none"> i. Awarded the certificate as Primary Evaluator for exceptional contribution in Toycathon 2021 organized by MOE, MSME, MIB, MCI, MEIC ii. Award of Honour for being a Senior and Junior level Science Exehibition organized the District level schools at HIMCS, Farah, Mathura
Membership of Professional Bodies	<ul style="list-style-type: none"> i Professional Engineer of Institution of Engineers of India (P.Eng.)- PE7005629 ii Member of Institutions of Engineering and Technology (MIET)-1100899435 iii Life Member as Associate Member of Institution of Engineers of India (AMIE)-1947462. iv Affiliate Member of American Society of Civil Engineers (Aff.M.ASCE)-12196008 v Life Member of International Association of Engineering (IAENG)-269603. vi Life Member of Scientific body Nano-Molecular Society (NMS). vii Life Member of Social Welfare and Protection of Nature Society (SWAPN).