



Dr. Naveen.B. P

Department of Civil Engineering
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SCOPUS ID: 56496974000

Web of Science
RESEARCHERID: E-7639-2011

VIDWAN ID: 204649

ID Lattes: 7533512238468443

Language:
English, Hindi, Kannada, Tamil

Summary:

Highly experienced Geotechnical & Geoenvironmental engineering expert in Metro works /Pile foundation / Solid Waste Management

Dynamic, committed and result driven professional, with over 16 years of diverse and progressive experience in the field of Civil, Geotechnical, and Environmental engineering. Eminently qualified, having completed his B.E. in Civil Engineering and M. Tech, M.S(research) and a PhD in Geotechnical Engineering in addition to being a C.E (Chartered Engineer) from the Institution of Engineers (India); An efficient strategic researcher and planner with expertise in planning and executing construction projects with proficiency for applying modern construction methodologies and technologies; Holds the distinction of executing numerous projects of large magnitudes and technical complexities, from inception to commissioning, within critical time schedules, while implementing rigorous cost and quality regulatory measures. Has very exhaustive research expertise in Geo-environmental Engineering, Ground Improvement, Foundation Engineering, Solid Waste Management, Geotechnical Field Testing and Geophysical testing. Possesses excellent communication & organizational skills, provides performance-based solutions to address clients' concerns with unsurpassed interpersonal skills, flexibility and resourcefulness. He has overseas worked experience having worked in the USA; Japan & Kenya.

Research Interest & Expertise:

- ◆ Pile Foundation
- ◆ Geo-environmental Engineering
- ◆ Ground Improvement
- ◆ Foundation Engineering
- ◆ Solid Waste Management
- ◆ Geotechnical Field Testing
- ◆ Complete Project Management
- ◆ Water & Leachate analysis
- ◆ Geophysical Testing

CAREER ACCOMPLISHMENTS IN RESEARCH

- ◆ Analysis for single pile under Vertical Axial Load
- ◆ Analysis for single pile under Lateral Load
- ◆ Analysis of Soil nailing
- ◆ Lateral Movement of Secant pile wall-Real time monitoring at Bengaluru Metro
- ◆ Comparison of FLAC 3D and PLAXIS 3D, lateral forces versus lateral displacement at the pile top
- ◆ Characterization of Solid Waste and Reclamation of Land Fill Dump Sites in Bengaluru
- ◆ **Title: Physico-chemical and biological characterization of urban municipal landfill leachate & research article published in Environmental Pollution, Elsevier Publishers with Impact factor 5.03.**
- ◆ **My Ph. D. Thesis is referred by Bruhat Bengaluru Mahangara Palike (BBMP) and Karnataka State Pollution Control Board for reopening of Mavallipura landfill.**
- ◆ **Title: Appropriate Method of Determination of the Coefficient of Consolidation for Municipal Solid Waste”, ASTM International - Geotechnical Testing Journal**

Dr. Naveen.B.P.

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Countries Visited: Kenya, Japan,
USA

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RESEARCHERID: E-7639-2011

Testing Parameters researched and applied

- ♦ Field testing vide routine Vertical Load Test & Field Vertical pile load test data
- ♦ Numerical Simulations
- ♦ Evaluating End Bearing & Skin Friction from Plaxis 2D Curve
- ♦ Comparison of Dynamic load test with Numerical simulation of PLAXIS 2D
- ♦ Dynamic Pile Monitoring
- ♦ Analysis of results obtained with dynamic load tests with the results of static load test
- ♦ Lateral Loaded Piling Structures
- ♦ Field Testing of Lateral Load Test, including Deflections under Lateral Loads
- ♦ Numerical Modeling using the PLAXIS 2D
- ♦ Comparison Field testing and PLAXIS 2D Analysis
- ♦ Lateral Movement of Secant pile wall-Real time monitoring at Bengaluru Metro
- ♦ Collections of Leachate Samples around Bengaluru and analysis
- ♦ Field Testing through Bore Hole Samples for deep soil analysis
- ♦ Plate Load Testing for Dynamic properties

PROFESSIONAL EXPERIENCE

AMITY UNIVERSITY HARYANA

Associate Professor & Head

12th, Jun'17- Till date

Administrative Experience/ Post(s) & responsibilities held:

1. Role as Head of the Department
2. Member of Board of Studies
3. Member of the Doctoral Research Committee (DRC)
4. In charge of Geotechnical Engineering Laboratory
5. Programme Coordinator of B. Tech (Civil Engineering)
6. Library Coordinator Rep. Civil Engineering Department
7. Mentor M. Tech (All specializations)
8. NAAC (Criterion 4-Infrastructure and Learning Resources) Coordinator
9. Sustainable Development Goals (Criterion 6- Clean Water and Sanitation) Coordinator

GEODATA PVT LTD

Senior Geotechnical Engineer

24th, Oct'16 – 11th, Jun'17

General Consultancy (GC) for North-South Corridor (Phase-1A). North-South Corridor of Lucknow Metro Rail Project starts from CCS airport and ends at Munshi Pulia. The overall length of Corridors is 22.878 km out of which 19.438 km is elevated and remaining 3.48 km is underground.

Client: Lucknow Metro Rail Corporation (LMRC) Phase 1A project.

Activities Performing: Reviewing and verifying the specifications for Geotechnical Investigations and geotechnical details submitted by the contractor and producing a technical report on ground investigation and interpretation using PLAXIS 2D software. Reviewing the Pile foundation design, Static vertical pile load test, lateral pile load test, Pile Dynamic load test (PDA), Pile Integrity test (PIT), plate load test, OSV monitoring for Underground Excavation, Scour depth estimation, Designs of temporary retaining walls like Secant pile walls, etc.,

INDIAN INSTITUTE OF SCIENCE, BANGALORE

21th, Dec'15 – 23rd, Oct'16

Senior Research Associate

- ♦ Seismic Profiling using 1-D & 2-D MASW survey at the S-40 Foundation, at Chenab Bridge Site, Jammu.

- ◆ Environmental Impact Assessment carried out at Castle Rock - Kulem - Vasco Railway doubling Project section.
- ◆ OSV monitoring for Underground Excavation in Bangalore Metro Project.
- ◆ The design of Landfills.

SS FOUNDATION Pvt Ltd

01st, Jan'10- 25th, Jun'13

Senior Design Engineer

- ◆ Designing/execution of Pile foundation for East-West Corridor from Baiyappanahalli Terminal to Mysore Road
- ◆ Conducting static pile load test for Magadi road stretch on the metro project
- ◆ Conducting dynamic pile load test (PDA) and PIT for Yeshwanthpur station
- ◆ Lateral Movement of Secant pile wall-Real time monitoring at Bangalore metro project
- ◆ OSV monitoring for Bangalore metro projects
- ◆ Numerical Modelling of Pile Load Test for Mangalore project
- ◆ Design/execution of Pile foundation in HSR layout flyover, Jayanagar flyover, Kalayan Nagar flyover
- ◆ Conducting static pile load test for HSR flyover, Jayanagar flyover, Kalayan Nagar flyover
- ◆ Conducting MASW testing Chenab bridge project for S 40 foundation
- ◆ Environmental Impact Assessment carried out at Castle Rock - Kulem - Vasco Railway doubling Project section
- ◆ Identification of Landfill sites in Kenya
- ◆ Conducting static pile load test for Biocon industrial building

UNITED FOUNDATION Pvt Ltd

01th Mar'08 – 31st, Dec'09

Senior Design Engineer

- ◆ Design/execution of Pile foundation, conducting static/dynamic pile testing for residential building/flyovers
- ◆ Design and execution of ground improvement technique like sand pile, stone column for Hosur flyover
- ◆ Design and execution of sand piles for Hosur flyover
- ◆ Conducting Static pile load test for Hosur flyover
- ◆ Design of Piles for "Yashodhara Health Care" Building in Bangalore
- ◆ Design of Piles for "Yashodhara Health Care" Building in Bangalore
- ◆ Ground Improvement by Stone columns in elevated road project electronic city in Bangalore
- ◆ Associated with the Design of Rock anchoring for the shoring piles in Prestige Khodey towers
- ◆ Design of Piles for Library building in Mysore
- ◆ Static pile load Test for Toyota in Bidadi
- ◆ Laterally Loaded Pile Testing for Flyover in HSR Layout in Bangalore
- ◆ Designing and construction of Tower Foundation for Karnataka Golf Course in Bangalore
- ◆ Dynamic Pile Load test for Metro work in Bangalore
- ◆ Pile Integrity Testing for Metro work in Bangalore
- ◆ Design of Piles for Library Building "JSS Women's College" Saraswathi Puram, Mysore

DESIGN GROUP PROJECT CONSULTANTS (P) Ltd

01st, Jul'06 – 15thJun'07

Junior Design Engineer (Hydro-Power and Dam project)

- ◆ Design Engineering Services like Planning, Preparation of Detailed Project Reports and Detail Engineering, Structural design of Civil & Mechanical installations

EDUCATION

INDIAN INSTITUTE OF SCIENCE, Bangalore, 2012-16

PhD, Geotechnical Engineering

INDIAN INSTITUTE OF SCIENCE, Bangalore , 2010 - 12

M.S. (Research), Geotechnical Engineering

NATIONAL INSTITUTE TECHNOLOGY OF KARNATAKA, Mangalore, 2007 -09

M.Tech, Geotechnical Engineering

UNIVERSITY VISVESVARAYA COLLEGE OF ENGINEERING, BANGALORE

B.E, Civil Engineering, 2002 - 06

C.E (Chartered Engineer) from **Institution of Engineers** (India)

TEACHING EXPERIENCE

- ◆ PLAXIS software & AutoCAD, Postgraduate audience, One day workshop in NITK, Surathkal 2009.
- ◆ **Ph.D. Level courses handled:**
 1. Solid Waste Management
- ◆ **P.G. Level courses handled:**
 2. Solid Waste Management & Recycling- CVP 4208
 3. Finite Element Methods-STE 4104
 4. Ground Improvement Technique- TRE 4104
 5. Pre-engineering Construction Technology- CME 4104
 6. Environmental Impact and Risk Assessment-TRE 4209
 7. Environmental Policies and Legislation-EVE 4201
- ◆ **U.G. Level courses handled:**
 1. Geotechnical Engineering-I-CIV 2551
 2. AutoCAD-CIV 2307
 3. Geotechnical Engineering –II-CIV 2651
 4. Geotechnical Engineering Lab-CIV 2605

CONFERENCE ORGANIZED

- ◆ Organized (convener) and Technical committee member of **National Conference** on **"Sustainable Solid Waste Management (SSWM-17)"** organized at Amity University Haryana during 15th Nov 2017.

RESEARCH EXPERIENCE (INCLUDING POST DOCTORAL)

- ◆ Research Associate at IISc, under the supervision of Prof. TG Sitharam & Prof. PV Sivapullaiah in Geotechnical & Geo-Environmental Engineering Dec 2015 –Oct 2016

INTERACTIVE INDUSTRIAL EXPERIENCE

- ◆ At United Foundation (P) Ltd, Geotechnical designs,
- ◆ Pile foundation and Pile load testing, May'08 – July'08
- ◆ At Karnataka Soaps & Detergents Ltd, Performance study on waste water treatment plant, Jan'06 – Feb'06

SOFTWARE PROFICIENCY (Last 10 years – till date)

PLAXIS- 2D, PLAXIS -3D, Geo 5, Alp Oasysis, Shake 2000, Deep soil, Pollute, AutoCAD-2013, CAPWAP, FREW Oasysis.

PROFESSIONAL TRAINING

- ◆ Environmental Forensics, at NIT Calicut
- ◆ Structural Design & Analysis using NISA/CIVIL, at Cranes Software International Ltd, Bangalore, May'08
- ◆ AUTOCAD-2005 at, Apex Hi-Tech Institute, Bangalore, Jan'06

Enclosed ANNEXURE:

With details on Publications: Book & Professional Papers authored and presented, Seminars, National and International Conferences, Editorships of leading professional journals, Awards, Recognitions, Scholarships, Media & Newsletter highlights, Extracurricular interests, More Links

ANNEXURE

ACADEMIC SCHOLARSHIPS & AWARDS

- ♦ **Government of India scholarship** to Pursue M. Tech (2007-2009) at NITK, Surathkal
- ♦ **Government of India Scholarship** to Pursue M.S (Eng) Engineering (2010-2012) at IISc, Bangalore
- ♦ **Government of India scholarship** to pursue Ph.D. at IISc, Bangalore
- ♦ **ISSMGE Foundation** awarded a scholarship to support my presentation of our work at the "30th International Conference on Solid Waste Technology and Management", Philadelphia, PA, U.S.A
- ♦ **Centre for International Co-operation in Science (CICS)** awarded a scholarship to support my presentation of our work at the "30th International Conference on Solid Waste Technology and Management", Philadelphia, U.S.A.
- ♦ **Oasys Project of the Year 2016** award for Geotechnical Project
- ♦ **Aqua Foundation's Academic Excellence Award 2016** for Solid Waste Management received from Hon'ble Water Minister "Uma Bharati".
- ♦ **Young Researcher and Scholar Icon 2017 award** under the research area of Civil Engineering from Jupiter Publications Consortium and Ingenious Cyberonics (P) Ltd., Chennai, Tamil Nadu, India.
- ♦ **Young Educator and Scholar Award 2017** for Teaching and Scholarly activities in the field of " Civil Engineering".
- ♦ **Young Educator and Scholar Award 2018** for Teaching and Scholarly activities in the field of " Civil Engineering".
- ♦ **IEI Young Engineers Award 2018** in Civil Engineering Discipline, 34th National Convention of Civil Engineering, Nagpur, September 8-9, 2018.
- ♦ **Aqua Foundation Professional Excellence Award-2018** in the field of Geoenvironmental Engineering, XII World Aqua Congress, International Conference, 22-23 November 2018 at Gulmohar Hall, India Habitat Centre, New Delhi.
- ♦ **Nominated as Young Geotechnical Engineer** to attend the 9th Young Asian Geotechnical Engineers Conference (9AYGEC) and 15th International Conference on Geotechnical Engineering (15ICGE) held on December 5 - 7, 2019 at UET Lahore Pakistan
- ♦ **Senior Educator and Scholar Award** for Significant Contribution to Teaching and Scholarly activities in the field of Civil Engineering, 9th National Teachers' Day Awards powered by National Foundation for Entrepreneurship Development (NFED) Coimbatore, Tamil Nadu, 5th September 2020.
- ♦ **Sir M Visvesvaraya Award 2020** in the Category of **Best Academician** on Engineers Day, September 15th, from Smart Infrastructure Engineering Service Trust, Hyderabad.
- ♦ **Young Researcher Award** in the field of Energy and Environment, International Conference on Energy and Environment (ICEE 2021), Organized by Jyothi Engineering College, Thrissur, Kerala, April 9th, 2021.

GRANTS RECEIVED

- ♦ Received **1.0 Lakhs from Bruhat Bengaluru Mahanagar Palike (BBMP)** for presenting a paper & poster at International Conference on " Solid Waste Technology and Management", held in Philadelphia, PA, U.S.A. on March 15-18,2015.
- ♦ Received **1.0 Lakhs from Indian Institute of Science (IISc)** for presenting a paper & poster at International Conference on "Solid Waste Technology and Management", held in Philadelphia, PA, U.S.A. on March 15-18, 2015.
- ♦ Received **Rs.25, 000 from Centre for International Co-operation in Science (CICS)** for presenting a paper & poster at International Conference on "Solid Waste Technology and Management", held in Philadelphia, PA, U.S.A, March 15-18, 2015.
- ♦ Received **USD.500 from ISSMGE** for presenting a paper & poster at International Conference on "Solid Waste Technology and Management", held in Philadelphia, PA, U.S.A. on March 15-18,2015.

PROFESSIONAL LIFE MEMBERSHIPS

- ◆ The Indian Geotechnical Engineering Society (IGS) -LM-3125.
- ◆ The American Society of Civil Engineering (ASCE).
- ◆ The ASTM International (1804154).
- ◆ The International Geosynthetic Society.
- ◆ The Institution of Engineers (India) – AM148940-5.
- ◆ The International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)-IND14LM-3125.
- ◆ The Karnataka Environment Research Foundation (KERF).
- ◆ Member of Consulting Engineers Association of India-CEAI/NRE/CAT-01/00028.
- ◆ Member of National Foundation for Entrepreneurship Development-MEM/LM/NFED/42/12/2016.
- ◆ Member of Institution of Engineering and Technology (IET) - MCS A200/1100688529.
- ◆ Member of Institute of Electrical & Electronics Engineers (IEEE) -95698344.
- ◆ Member of Nigerian Institution of Environmental Engineers (NIEE)-1063

EDITOR FOR THE FOLLOWING PROFESSIONAL JOURNALS

- ◆ Editor in Chief for International Journal of Constructive Research in Civil Engineering.
- ◆ Editorial Member for Journal of Earth and Environmental Science, USA.
- ◆ Editorial Member for Civil Engineering Research Journal (CERJ), USA.
- ◆ Editorial Member for Journal of Geological Resource and Engineering, USA.
- ◆ Editorial Member for Journal of Civil Engineering and Architecture Research, USA.
- ◆ Editorial Member for Time Journal of Engineering and Physical Sciences.
- ◆ Editorial Member for Scientific Research International: Journal of Engineering Science, USA.
- ◆ Editorial Member for International Journal of Advanced Structures & Geotechnical Engineering.
- ◆ Editorial Member for Inquest Journal of E-Waste.
- ◆ Editorial Member for International Journal of Scientific Research in Environmental Science and Toxicology.
- ◆ Editorial Member for International Research Journal in Global Engineering and Sciences.
- ◆ Editorial Member for Journal of Autonomous Intelligence.
- ◆ Editorial Member for Journal of Material Science and Research.
- ◆ Editorial Member for Knowledge Publishing Group.
- ◆ Editorial Member for Journal of Civil, Construction and Environmental Engineering, USA.
- ◆ Editorial Member for Journal of Geoscience and Environment Protection.

REVIEWER FOR THE FOLLOWING PROFESSIONAL JOURNALS

- ◆ Waste Management & Research: SAGE Journal
- ◆ Construction & Building Materials, Elsevier
- ◆ Studia Geotechnica et Mechanica, Elsevier
- ◆ Geotechnical and Geological Engineering, Springer
- ◆ Environment, Development and Sustainability, Springer
- ◆ Journal of the Air & Waste Management Association, Taylor & Francis
- ◆ International Journal of Geosynthetics & Ground Engineering, Springer
- ◆ Shock and Vibration, Hindawi
- ◆ Iranian Journal of Science and Technology, Transactions of Civil Engineering
- ◆ Groundwater for Sustainable Development, Elsevier
- ◆ Journal of Material Cycles and Waste Management, Springer
- ◆ International Journal of Environmental and Waste Management, Inderscience
- ◆ African Journal of Engineering Research, SA
- ◆ Current Advances in Civil Engineering, USA.
- ◆ International Journal of Environmental Protection, USA
- ◆ Journal of Solid Waste Technology and Management, USA.
- ◆ Environment and Pollution, Canada
- ◆ SASTECH Journal.

- ◆ Journal of Geoscience and Environment Protection, USA.
- ◆ International Journal of Excellence Innovation and Development.
- ◆ Electronic Journal Faculty of Civil Engineering Osijek e-GFOS.
- ◆ Earth Sciences Research Journal, USA
- ◆ Innovative Infrastructure Solutions, Springer.
- ◆ Science of the Total Environment, Elsevier.
- ◆ International Journal of Geotechnical Earthquake Engineering
- ◆ Maritime Engineering (Proceedings of the ICE)
- ◆ Arabian Journal of Geosciences, Springer.
- ◆ Techno-Press, Korea
- ◆ Sustainable Environment Research, Springer.
- ◆ Water, Air & Soil Pollution, Springer
- ◆ Cleaner Materials, Elsevier
- ◆ Indian Geotechnical Journal, Springer

ADMINISTRATIVE ADUIT FOR ENGINEERING COLLEGE

- ◆ Academic Administrative Audit carried out at Lingaya's Vidyapeeth (Deemed-to-be-University), Faridabad, Haryana.

GUEST EDITOR FOR THE FOLLOWING JOURNAL

- ◆ Special Issue on " Landfill Leachate and its impact on society, environment, and waste management policies" of the International Journal of Energy Technology

VISTING FACULTY

- ◆ Served as Resource Person and Taught for regular Ph.D. Students on the topic entitled "Solid Waste Management" at Centre for Nano and Soft Material Science (CeNS) research institute under Department of Science and Technology (DST), Government of India.
- ◆ Served as Resource Person at NLD Training Institute, Bhutan.

IMPORTANT INTERNATIONAL CONFERENCES & SEMINARS ATTENDED

- ◆ 4th International Engineering Symposium (IES 2015), Japan in 2015, presented paper on Assessment of Dynamic properties of Municipal Solid Waste Sites using Multichannel Analysis of Surface Waves
- ◆ The 15th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (15ARC), Japan in 2015, presented paper on the Aging Effect on the Leachate Characteristics of Municipal Solid Waste
- ◆ 30th ICSW 2015, USA, presented paper on the Evaluation of Dynamic properties of Municipal Solid Waste Sites by Geophysical Tests
- ◆ 4th China International Piling and Deep Foundations Summit (26-28March 2014), Shanghai, China, presented paper on the Numerical Modelling of Pile Load Test
- ◆ International Conference on Ground Improvement and Ground control (30 October – 2November 2012), Wollongong, Australia, presented paper on the Numerical Simulation of Laterally Loaded Piles.

MEMBERSHIP & LEADERSHIP

- ◆ Member, Organizing Committee & Referee, State Level Exhibition Engineering Project Competition
- ◆ Idea Conclave for Better Bengaluru organized jointly by Students for Development, Bengaluru, Christ University, Bengaluru, 29, 30th July 2016
- ◆ Waste O Mania organized jointly by Students for Development & Srishti 2016, CMR Institute of Technology, Bengaluru, 6th – 8th of May 2016

JOURNAL PUBLICATIONS

JOURNALS (SCI/SCI-e/Scopus):

- ❖ **Naveen BP**, Durga Madhab Mahapatra, Sitharam TG, Sivapullaiah PV, Ramachandra TV (2017) Physico-chemical and biological characterization of urban municipal landfill leachate, *Environmental Pollution*, Elsevier, 220, Part A, 1-12, doi: [10.1016/j.envpol.2016.09.002](https://doi.org/10.1016/j.envpol.2016.09.002), ISSN: 0269-7491 (SCI, Scopus IF: 8.07).
- ❖ **Anil Soharu, Naveen BP**, Arjun Sil (2022) Fly Ash Bricks Development Using Concrete Waste Debris and Self-Healing Bacteria, *Journal of Material Cycles and Waste Management*, Springer, 24(2),1-10, <https://doi.org/10.1007/s10163-022-01378-w>, ISSN: 1438-4957, (SCI, IF: 2.9).
- ❖ **Naveen BP**, Mehran Karimpour-Farda (2022) Estimation of Methane Emission and Electricity Generation Potential from Mavallipura Landfill Site, *Iranian Journal of Science and Technology, Transactions of Civil Engineering*, Springer, 46(2),1-11, <https://doi.org/10.1007/s40996-022-00857-2>, ISSN: 22286160, (SCI, IF: 1.5)
- ❖ **Naveen BP**, Sivapullaiah PV, Sitharam TG, Sunil Kumar (2021) Geophysical Techniques for Characterization of Municipal Solid Waste Landfills, *Waste & Resource Management*, ICE Publisher,174, 1-19, <https://doi.org/10.1680/jwarm.20.00022>, ISSN:1747-6526 (SCI, Scopus IF 0.403)
- ❖ **Naveen BP**, Sivapullaiah PV, Sitharam TG (2018). Appropriate Method of Determination of the Coefficient of Consolidation for Municipal Solid Waste, *ASTM International - Geotechnical Testing Journal (GTJ)*, 41(6), 1026-1039, <https://doi.org/10.1520/GTJ20150251>, ISSN 0149-6115(SCI, Scopus, Impact factor: 1.36).
- ❖ **Mehran Karimpour-Farda**, Shayan Zarbakhshb, Ghazal Rezaie Soufib, Alireza Ahadia, **Naveen. B.P** (2020) Design, Fabrication and Calibration of a Tall Pneumatic Oedometer Apparatus, *Measurement*, Elsevier Publisher,163, pp1-14, <https://doi.org/10.1016/j.measurement.2020.107985>, ISSN:0263-241 (SCI, IF: 3.364)
- ❖ **Naveen BP**, Apoorva Goel (2020) Appropriate Model for Landfill Rehabilitation in India using Hazard Rating System, *Journal of Environmental Engineering and Science*, ICE,15(2), 80-91, <https://doi.org/10.1680/jenes.18.00041>, ISSN 1496-2551(SCI, Scopus, IF 0.239).
- ❖ **Naveen BP**, Sumalatha J, Malik RK (2020) Numerical modeling of Leachate Transport into Waterbodies at a landfill site, *Journal of Environmental Engineering and Science*, ICE,15(1),6-15. ISSN 1496-2551, <https://doi.org/10.1680/jenes.18.00042> ISSN 1496-2551(SCI, Scopus, IF 0.239).
- ❖ **Naveen BP** (2018) Measurement of Static and Dynamic Properties of Municipal Solid Waste at Mavallipura Landfill Site, India, *International Journal of Geo-Engineering*, 9(1),1-20, <https://doi.org/10.1186/s40703-018-0088-9> ISSN 2092-9196, (Scopus, IF: 0.1).
- ❖ **Naveen BP**, Sumalatha J, Malik RK, (2018) A Study on contamination of Ground Surface Water bodies by Leachate Leakage from a Landfill in Bangalore, India, *International Journal of Geo-Engineering*, Springer, 9(1),1-21, <https://doi.org/10.1186/s40703-018-0095-x>, ISSN 2092-9196(Scopus, IF 0.1)
- ❖ **Sumalatha J, Naveen BP**, Malik RK (2019) Toxic Metals Removal from Industrial Sludge by using different leaching solutions, *Journal of the Institution of Engineers (India): Series A*,100(2),337-345, D.O.I: [10.1007/s40030-019-00361-3](https://doi.org/10.1007/s40030-019-00361-3), ISSN: 2250-2149 (SCI, Scopus, IF 0.34).
- ❖ **Naveen BP**, Sivapullaiah PV, Sitharam TG (2017) Evaluation of Dynamic Properties of Municipal Solid Waste Sites by Geophysical Tests, *Journal of Solid Waste Technology and Management (JSWTM)*, Widener University School of Civil Engineering Publishers, USA, 40(4), 327-334, <https://doi.org/10.5276/JSWTM.2017.273>, ISSN: 1088- 1697(SCI, Scopus, IF 0.41)
- ❖ **Naveen BP**, Sitharam TG, Sivapullaiah PV (2015) Seismic Analysis of Municipal Solid Waste Landfill in India, *International Journal of Geotechnical Earthquake Engineering (IJGEE)*, IGI Global, 6(2), 35-55, D.O.I: [10.4018/IJGEE.2015070103](https://doi.org/10.4018/IJGEE.2015070103), ISSN: 1947-8488(Scopus, IF 0.1)
- ❖ **Sumalatha J, Naveen BP**, Malik RK (2019) Removal of Heavy Metals from Industrial Sludge using Soil Washing Technique, *Asian Journal of Water, Environment and Pollution*, IOS Press, vol. 16, no. 3, pp. 83-89, DOI: [10.3233/AJW190036](https://doi.org/10.3233/AJW190036), ISSN 1875-8568(Scopus, IF:0.2)

- ❖ **Naveen BP**, Sivapullaiah PV, Sitharam TG (2014) Compressibility and Shear Strength of dumped municipal solid waste, Journal of Solid Waste Technology and Management (JSWTM), Widener University School of Civil Engineering Publishers, USA, 40(4), 327-334, <https://doi.org/10.5276/JSWTM.2014.327>, ISSN: 1088-1697 (SCI, Scopus, IF 0.41).
- ❖ **Naveen BP**, Sivapullaiah PV, Sitharam TG (2013) Disposal Options for Solid Waste of Bangalore City based on its characteristics, International Journal of Environment and Waste Management (IJEWM), Inderscience Publishers, 12(1), 77-88, <https://doi.org/10.1504/IJEWM.2013.054780>, ISSN: 1478-9876 (Scopus, IF 0.41).
- ❖ **Naveen BP**, Sivapullaiah PV, Sitharam TG (2016) Effect of Aging on the Leachate Characteristics from Municipal Solid Waste Landfill, Japanese Geotechnical Society Special Publication, J-Stage publisher, 2(56), 1940-1945, <https://doi.org/10.3208/jgssp.IND-06>, ISSN: 2188-8027 (SCI, IF: 1.2).
- ❖ Sumalatha J, **Naveen BP**, Malik RK (2018) Efficiency of Washing Techniques for Removal of Heavy Metals from Industrial Sludge, Pollution, Iran Solid Waste Association publisher, 5(1), 189-198, DOI: [10.22059/poll.2018.264574.507](https://doi.org/10.22059/poll.2018.264574.507), ISSN: 2383-4501 (Scopus).
- ❖ **Naveen BP**, Malik RK (2019) Assessment of Contamination Potential of Leachate from Municipal Solid Waste Landfill Sites for Metropolitan Cities in India, Pollution, Iran Solid Waste Association publisher, 5(2), 312-322. DOI: [10.22059/POLL.2018.266991.527](https://doi.org/10.22059/POLL.2018.266991.527), ISSN: 2383-4501 (Scopus).
- ❖ Thakur Ramjiram S, **Naveen BP**, Tegar JP, (2021) Improvement in CBR Value of Soil Reinforced with Nonwoven Geotextile Sheets, International Journal of Geo-Engineering, Springer, 12(8), 1-10, <https://doi.org/10.1186/s40703-020-00138-9>, ISSN: 2092-9196 (SCI, Scopus, IF 0.45).
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- ❖ Sumalatha J, Malik RK, **Naveen BP** (2017) Modeling Contaminant Transport of Metals Ions through Soil, International Journal Science & Engineering, 2(9), 75- 84, Volume 4, ISSN 2456-3293.
- ❖ **Naveen BP**, Malik RK (2017) Assessment of Leachate Pollution Index for Delhi Landfill Sites, India, International Journal Science & Engineering, 2(9), 98- 101, Volume 4, ISSN 2456-3293.
- ❖ **Naveen BP**, Sivapullaiah PV (2016) Solid Waste Management in Bengaluru-Current Scenario and Future Challenges, Innovative Energy & Research, 5(2), 1-3.
- ❖ Sivapullaiah PV, **Naveen BP**, Sitharam TG (2016) Municipal Solid Waste Landfills Construction and Management-A Few Concerns, International Journal of Waste Resources (IJWR), 6(2), 1-8.
- ❖ **Naveen BP**, Sitharam TG, Sivapullaiah PV (2014) Evaluating the Dynamic characteristics of Municipal Solid Waste for Geotechnical Purpose, Current Advances in Civil Engineering, American V-King Scientific Publishing, New York, 2(1), 28-34.
- ❖ **Naveen BP**, Malik RK, Shubhra Puri (2017) Waste Management Issues and Solutions for a Rapidly Growing Satellite City in the National Capital Region, India, Environmental Sciences Journal, EMS Publishers, USA, 1(1):005, 1-8, ISSN 2577-7858.
- ❖ Manju Singh, **Naveen BP** (2014) Molecular Nanotechnology: A new avenue for Environment Treatment, International Journal of Environmental Science, Toxicology and Food Technology (IOSR), 8(1), 93-99.

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- ♦ Govindaraju.L, Chandeesh. E.V., Raju. K.V.S.B., **Naveen.B.P.** “Seismic behaviour of Geosynthetic reinforced municipal solid waste landfills”, International Conference on Ground Improvement and Ground control (30 October – 2November 2012), Wollongong, Australia, pp.971-976
- ♦ **Naveen B.P**, Sitharam T G, Sivapullaiah P V, “Status of Solid Waste Management in Bangalore and Review of Solid Waste Techniques adopted”, International conference on waste management for sustainable development (21-23 March 2014), Palakkad, Kerala, India.pp.11-17
- ♦ Vaishali Sahu & **Naveen B.P** “Municipal Solid Waste Management Gwalior City”, International conference on waste management for sustainable development (21-23 March 2014), Palakkad, Kerala, India.pp.364-368
- ♦ **Naveen.B. P**, Sitharam.T.G., Sivapullaiah.P.V., “Evaluation of Dynamic properties of Municipal Solid Waste Sites by Geophysical Tests”, The 30th International Conference on Solid Waste Technology and Management, Philadelphia, PA, U.S.A on March 15-18,2015, pp 362-371.
- ♦ **Naveen.B. P**, Sivapullaiah.P.V., Sitharam.T.G., " Aging Effect on the Leachate Characteristics of Municipal Solid Waste”, The 15th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (15ARC), Japan on 9th – 13th of November 2015
- ♦ **Naveen.B. P**,Parthasarthy.C.R.,Sitharam.T.G., "Numerical Modelling of Pile Load Test",4th China International Piling and Deep Foundations Summit(26-28 March 2014),Shanghai, China. PP.156-161.
- ♦ **Naveen.B. P**, Sitharam.T.G., Sivapullaiah.P.V.," Assessment of Dynamic properties of Municipal Solid Waste Sites using Multichannel Analysis of Surface Waves", 4th International Engineering Symposium (IES 2015), 4-6 March 2015, Kumamoto University, Japan, pp C4-7-1-6
- ♦ **Naveen.B. P**, Santosh Kumar Kaddi & Hafeez Basha "Solid Waste Management Activities in Bruhat Bengaluru Mahanagara Palike”, 4th World Conference on Applied Sciences, Engineering and Technology (WCSET), 24 - 26 October, Kumamoto University, Japan
- ♦ **Naveen.B. P** & Denise-Penelope N. Kontoni., “Comparison of Field Test and Numerical Analysis for Laterally Loaded Piles”, 7th International Conference on “Scientific Computing to Computational Engineering”,7th IC-SCCE, Athens, 6-9 July 2016.
- ♦ **Naveen.B. P**, Sivapullaiah.P. V, Sitharam.T.G., " Physico-Chemical Characterization of Mandur Landfill Leachate and its Potential Threat", International Conference on Soil and Environment, 22-23 July 2016, IISc, Bangalore, pp.180-185.
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- ♦ **Naveen.B.P.**, "Field Test and Simulation of Large Diameter Vertical Loaded Pile in Residual Soils",9th Asian Young Geotechnical Engineers Conference, December 5-7,2019, Lahore, Pakistan.
- ♦ **Naveen.B. P**, " Municipal Solid Waste Management in Bangalore" Webinar on Biofuels and Renewable Energy, Organized by Phronesis RESEARCHERS WORLD, USA, October 26-27, 2020, pp.32-33.
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- ♦ **Naveen.B. P**, Mohammed Yaseen, Dr.B.Santhaveerna goud. “Performance study on waste water treatment plant at Karnataka soaps and detergents limited", Proceedings of second national conference on Innovative practices for sustainable energy and waste management: Coimbatore, (April24-25,2009), pp.125-131
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- ♦ **Naveen.B**, Sivapullaiah.P. V, Sitharam.T. G, Sharma. A.K, “Stabilization of Waste dump using Fly ash", National Conference on the 'Beneficial use of fly-ash in the construction industry and agriculture' (May 23-24,2014) UAS, Raichur, Karnataka, pp.217-224
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- ♦ **Naveen.B. P**, Sivapullaiah.P. V, Sitharam.T.G. "Estimating the Carbon Stored in the Municipal Solid Waste in Mavallipura landfill site, Bangalore”, 3rd International Brainstorming Workshop on “Sustainable Municipal Solid Waste Management in India”, organized by Waste to Energy Research and Technology Council (WTER), India, held at IICT, Hyderabad,29-30th January 2015, pp.1-10
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- ♦ **Naveen B.P** & Apoorva Goel., "A Hazard Ranking System for Landfill Rehabilitation in India”,Indian Geotechnical Conference 2017, GeoNEst, 14-16 December 2017, IIT Guwahati, India.

BOOK

- ♦ **Naveen.B. P**, Sitharam.T. G & Sivapullaiah.P. V, (2016), "Investigation of the Geotechnical Properties of Municipal Solid Waste", LAP LAMBERT Academic Publishing, Germany, ISBN:9783659978555.

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- ◆ **Naveen. B.P, Sitharam. T.G & Sivapullaiah. P.V.** (2018), " Chapter 7: Seismic Behaviour and Dynamic Site Response of Municipal Solid Waste Landfill in India" Recent Challenges and Advances in Geotechnical Earthquake Engineering, IGI Global Publishers, USA, pp.168-196, ISBN13: 9781522569480
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- ◆ **Naveen. B.P & Sivapullaiah. P.V.** (2020), "Chapter 4: Solid Waste Management-Current Scenario & Challenges in Bangalore" Sustainable Sewage Sludge Management, IntechOpen Publishers, London, UK, pp.1-23, ISBN:978-1-83962-707-1, DOI: 10.5772/intechopen.90837. <https://www.intechopen.com/online-first/solid-waste-management-current-scenario-and-challenges-in-bengaluru>
- ◆ **Naveen. B.P & Sivapullaiah. P.V.** (2021), "Chapter 4: Recent Scenario of Solid Waste Management in Bangalore: Problems Challenges, and Recommendations", Urban Solid Waste Management, Issues and Challenges of Sustainability, Palmview publisher, pp.52-75, ISBN 9788195057245.
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- ◆ **Naveen. B.P & Apoorva Goel** (2021), "Chapter 8: A Hazard Ranking System for Landfill Rehabilitation in India", Urban Solid Waste Management, Issues and Challenges of Sustainability, Palmview publisher, pp.133-146, ISBN 9788195057245.
<https://play.google.com/books/reader?id=sORJEAAAQBAJ&pg=GBS.PR3&hl=en>
- ◆ **Hong-Hu Zhu, Naveen. B.P, Jing Wang, Gang Cheng & Yuxin Gao** (2022), " Research Status and Prospect of Slope Anti-Slide Piles", Advances in Geoengineering along the Belt and Road, Proceedings of 1st Belt and Road Webinar Series on Geotechnics, Energy and Environment, Lecture Notes in Civil Engineering, Springer, Vol.1, pp.223-236, ISBN978-981-16-9962-7. <https://doi.org/10.1007/978-981-16-9963-4>
- ◆ **Anil Soharu, Naveen BP, Arjun Sil** (2021), "Chapter 19: An Approach Towards Zero-Waste Building Construction", Advances in Construction Materials and Sustainable Environment, Lecture Notes in Civil Engineering book series (LNCE), Springer, vol.196, pp 239-257, ISBN: 978-981-16-6557-8, DOI: 10.1007/978-981-16-6557-8_19.

POSTERS PRESENTED

- ◆ **Naveen.B. P, Sitharam.T. G, Sivapullaiah.P.V.** "Evaluation of Dynamic Properties of Municipal Solid Waste Sites by Geophysical Tests", The 30th International Conference on Solid Waste Technology and Management, Philadelphia, PA, U.S.A on March 15-18, 2015.
- ◆ **Tejas Mate, Sushant, Sagar Chauhan, Naveen.B.P.** (2017) "Landfill Scenario In Delhi", Innovation Day, Amity University Gurgaon, 28 Sept 2017.
- ◆ **Gourav Suthar, Naveen.B. P, Malik. R.K.** (2018) " Hazardous Waste Management: Issues and Challenges", AMI FEST 2018, Amity University Gurgaon, 31 Jan 2018.
- ◆ **Gourav Suthar, Naveen.B. P, Malik. R.K.** (2018) "Industrial Hazardous Waste Management ", Convocation 2018, Amity University Gurgaon, 23-24 Feb 2018.

MEDIA

- ◆ Our work on Fresh Landfill leachate is more damaging than old gets highlighted in Times of India (March 22,2016)
(<http://epaperbeta.timesofindia.com/index.aspx?EID=31806&dt=20160322>)
- ◆ Our work on IISc study calls for caution in reclaiming closed landfills gets highlighted in Deccan Herald (March 28,2016)
(<http://www.deccanherald.com/content/537131/iisc-study-calls-caution-reclaiming.html>)
- ◆ Our work on Landfill Leachate Poses Threat to the Environment Study gets highlighted in Green Media E-Newsletter (March22,2016)
(<http://cmsenvis.cmsindia.org/newsletter/enews/NewsDetails.asp?id=80481#>)
- ◆ Our work on Landfill Leachate Poses Threat to the Environment Study gets highlighted in Bangalore Mirror (March 22,2016)
(<http://www.bangaloremirror.com/others/sci-tech/Landfill-leachate-poses-threat-to-the-environment-Study/articleshow/51498881.cms?prtpage=1>)

PATENT (Submitted)

- Title of Invention: “A system and method for the prediction of coefficient of consolidation for different waste materials present in landfill sites” Application number: 201911051777; Date of filing: 13.12.2019
- Title of Invention: “New zeolite material for remediation by immobilization method to treat contaminated soils” Application number: 202011006304; Date of filing: 13.02.2020
- Title of Invention: “Microbial Consortium Jagerry Powder for Bioremediation Process of Minimize the Chemical Load of Leachate Sample” Application number: 202011007725; Date of filing: 24.02.2020
- Title of Invention: “High-Speed Blade Type Dry Grinding Machine Tool” Application number: 202011010830; Date of filing: 13.03.2020
- Title of Invention: “Production of Chrysotile Asbestos Fiber Reinforced Geopolymer Bricks ” Application number: 202011011892; Date of filing: 19.03.2020
- Title of Invention: “Predictive Optimization Model for Geopolymer Cement Production “Application number: 202011012583; Date of filing: 23.03.2020
- Title of Invention: “A Method for Preparing Composite Materials Sheet of Nonwoven Geotextile on The Strength of Clayey” Application number: 202011046849; Date of filing: 27.10.2020
- Title of Invention: “An Inorganic Solid Waste Segregator and Resource Recovery System "Application number: 202111017330, Date of filing: 14.04.2021, Applicants: Mohammad Yaseen, Naveen. B.P
- Title of Invention: “Manufacturing of Photocatalytic Geopolymer Bricks, Tiles & Biochar Using Waste Sludge and Manufacturing Method thereof”, Application number: 202111046719, Date of filing: 13.10.2021, Applicants: Dr. Naveen BP, Dr. Pratap Reddy Maddigapu
- Title of Invention: “A Method for Preparing Novel Composition for Fly Ash Bricks with Concrete Waste Debris and Self-Healing Bacteria”, Application number: 202111059380, Date of filing: 20.12.2021, Applicants: Anil Soharu, Naveen BP, Arjun Sil

UNDER & POST GRADUATE DISSERTATIONS SUPERVISED:

POST GRADUATE DISSERTATIONS SUPERVISED (INTERNATIONAL STUDENT)					
Title of the Dissertations	Student name	Specialization	Year of Completion	Supervisor/ Co-Supervisor	University
Sustainability Performance Measurement System for Solid Waste Management	Akshay Ningappa	M.Tech	2018	Prof. (Dr). Giancarlo Vecchi Dr.Naveen BP	Politecnico di Milano, Italy
Remediation of Sanitary Landfill Site at Abhuja, Nigeria	Aneke Chiedoziine Thaddeus	M.Tech	2021	Prof. (Dr). Toochukwu Ogwueleka Dr. Naveen BP	University of Abuja, Nigeria
Effect of Liners in Municipal Solid Waste Landfill in Nigeri	Nuhu Ishaya	M.Tech	2021	Prof. (Dr). Toochukwu Ogwueleka Dr.Naveen BP	University of Abuja, Nigeria
Waste Management Technologies	Roshan Krishnamurthy	M.Tech	2021	Prof. (Dr). Andrzej j wandrasz Dr.Naveen BP	Politechnika Slaska
POST GRADUATE DISSERTATIONS SUPERVISED (NATIONAL STUDENTS)					
Title of the Dissertations	Student name	Specialization	Year of Completion	Supervisor/ Co-Supervisor	University
An Investigation on Identification of Problematic Subgrade Soil	Deepak Singh Rana	M.Tech (Transportation)	2019	Naveen BP & Malik R. K	Amity University Haryana, India
Strain Analysis of Tubular Structures using E-Tab	Saketh	M.Tech (Structural Engineering)	2018	Naveen BP & Ankit	Amity University Haryana, India
Project Outsourcing Management: A Case Study on Signature Bridge,	Sachin D	M.Tech (CTM)	2018	Naveen BP & Ankit	Amity University Haryana, India

Delhi					
An Assessment of Contamination of Waterbodies from Landfill Leachate-A Case Study of Mahesra landfill site in Gorakhpur City	Rishabh Singh	M.Tech (Environmental Engineering)	2019	Naveen BP & Malik R K	Amity University Haryana, India
Sustainability and Life Cycle Assessment of Concrete Bridge: A Case Study in Sambalpur, Odisha	Ankit Kumar	M.Tech (Structural Engineering)	2019	Naveen BP & Malik R K	Amity University Haryana, India
Conversion of Existing Building into Net Zero Building- A Case Study in Mumbai	Tejas Chandrashekar Mate	M.Tech (CTM)	2019	Naveen BP & Malik R K	Amity University Haryana, India
Seepage Analysis & Dynamic Analysis of the earthen dam in Impervious Foundation by using GeoStudio Software	Devanshu Mehra	M.Tech (Structural Engineering)	2020	Naveen BP & Praveen Babu	Amity University Haryana, India
Strengthening Techniques of Distressed Concrete Bridges-A Case Study	Vishnu J Pillai	M.Tech (Structural Engineering)	2020	Naveen BP & Rajeev Goel	Amity University Haryana, India
Physicochemical analysis of Leachate	Narendra Meena	M.Tech (Geotechnical)	2021	Satyendra Mittal, Naveen BP, & Akansha Tyagi	IIT Roorkee
Pedestrians Safety Analysis at Uncontrolled & Unsignalized Midblock Crosswalks	Siddharth Jain	M.Tech (Transportation)	2021	Naveen BP & Praveen Babu	Amity University Haryana, India
Impact of landfill leachate on the groundwater quality: A Case Study in Bhopal	Pawan Kumar Choudhary	M.Tech (Environment)	2021	Naveen BP Preeti Chincholikar & Thakur Ramjiram Singh.	NRI Institute Of Research & Technology, Bhopal, M.P

UNDER GRADUATE DISSERTATIONS SUPERVISED					
Title of the Dissertations	Student name	Specialization	Year of Completion	Supervisor/ Co-Supervisor	University
Solid Waste Management in Gurugram	Punish Sharma, Rohit Jakhar Keshav Alreja Tarun Vats Ashish Kumar	B. Tech (Civil Engineering)	2018	Naveen BP & Malik R. K	Amity University Haryana, India
Prediction of Pile Load Capacity using Different Methods	Ansh Rao Dhinesh Sahil Chandrapratap Punit Rahul Tavleen	B. Tech (Civil Engineering)	2019	Naveen BP & Malik R K	Amity University Haryana, India
Dynamic Analysis of Pile Driving using PLAXIS-2D	Mohit Gupta, Aman Saini, Shaheen	B. Tech (Civil Engineering)	2020	Naveen BP & Malik R K	Amity University Haryana, India
Sewage Treatment & Sequence Batch Reactor	Shubham, Rakshan Khajura	B. Tech (Civil Engineering)	2021	Naveen BP & Praveen Babu	Amity University Haryana, India
Impact on Ambient Air Quality during COVID-19 Lockdown in Delhi NCR	Lakshay Kumar, Pankaj Gothwal	B. Tech (Civil Engineering)	2021	Naveen BP & Praveen Babu	Amity University Haryana, India

Ph. D DISSERTATIONS SUPERVISED					
Title of the Dissertations	Student name	Specialization	Year of Completion	Supervisor/ Co-Supervisor	University
Adopting the Zero Waste Concept for Minimization of Waste in the Construction projects	Anil Soharu	Ph. D (Civil Eng)	2022	Dr. Naveen.B. P Dr. Arjun Sil	Amity University Haryana, India
Performance Evaluation of Bituminous Paving Mixes Containing Polymer & Lime Composite Admixtures	Krushna Chandra Sethi	Ph. D (Civil Eng)	Ongoing	Dr. Omprakash Netula Dr. Naveen.B. P	DR. K N Modi University, Newai
Predictive Optimization Model for Geopolymer Cement Production	Zvikomborero Lazarus Duri	Ph. D (Civil Eng)	Ongoing	Dr. Naveen.B. P Dr. Rajesh Arora, Dr. Rajesh Goyal	Amity University Haryana, India
The Subgrade Improvement of the Road Construction with Geotextile Reinforcement on Clay	Niharika Gupta	Ph. D (Civil Eng)	Ongoing	Dr. Naveen.B. P Dr. Rajesh Arora Dr. Mehran Karimpour-Farda	Amity University Haryana, India
Innovative Designs for Landfills	Pradyuman Konar	Ph. D (Civil Eng)	Ongoing	Dr. Satyendra Mittal Dr. Naveen.B. P	Indian Institute of Technology of Roorkee

CONSULTANCY PROJECTS

Title	Funding Agency	Value	Consultants
Material Testing	M/s Power Grid Corporation Ltd., Manesar	30,000	Naveen.B. P
Fire brigade work	M/s MFAR Construction Pvt Ltd	25,000	Naveen.B. P
Technical Paper Writing	M/s Reinforced Earth India Pvt Ltd	35,000	Naveen.B. P
Proposed Construction of Beverage Factory at Raidighi West Bengal	M/s R M Consultants Pvt Ltd	60,000	Naveen.B. P
PT Slab & PT Beam verification	M/s Vecon Consultants	15,000	Naveen.B. P

PANEL DISCUSSION

S.No.	Activity	Details	Venue / Platform
1	Climathon BLR A Virtual Ideation Marathon for Bengaluru	" Clean Up Bengaluru" Innovating Urban Waste Management in the Garden City November 5-7th, 2020	YouTube Live ZOOM

STUDY MATERIALS /NOTES/COURSEWARE

Title	Course Name	Course Code
Challenges & Issues in Pile Foundations	Geotechnical Engineering-II	CIV 2651
Plastic Waste Management	Solid & Hazardous Waste Management	CVP 4503
Solid Waste Management	Solid & Hazardous Waste Management	CVP 4503

TECHNICAL LECTURE DELIVERED IN WEBINAR:

S. No.	Title of Lecture	Date(s) of the event	Organized by	Whether International/ National/State
1	Waster Problem & The Relation to Waste Mechanics	30th May 2020	NRI Institute of Information Science & Technology, Bhopal	National
2	Pile Design & Construction Practice for metro projects	1st June 2020	NRI Institute of Information Science & Technology, Bhopal	National
3	Engineering Properties of MSW	10 June 2020	The Nigerian Institution of Environmental Engineers (NIEE) Abuja Chapter	International
4	Pile Design and Construction Practices for Metro Projects	15 June 2020	Goa University, Indian Geotechnical Society, Goa Chapter	National
5	Engineering Properties of Municipal Solid Waste Landfill	8 July 2020	The Nigerian Institution of Environmental Engineers (NIEE) Abuja Chapter	International
6	Foundations for Metro Projects	11 July 2020	KLS Gogte Institute of Technology, Belagavi	National
7	Pile Foundation in Metro Projects	July 24, 2020	PRAYOJANA Construction Management	National
8	Pile Design & Construction Practice for metro projects	Aug 26, 2020	SAGE University	National
9	Waste Problems and Its Relation to Waste Mechanics	Sept 2, 2020	FIJI National University	International
10	Scenario of waste management in Bangalore	Sept 10,2020	NITTTR Bhopal	National
11	Importance of Research in Education and its Current Trends	Oct 7,2020	Universiti Putra Malaysia	International
12	Waste –to- Resource 2020	Oct 7,2020	Vikrant Institute of Technology & Management, Indore	National
13	Solid Waste Management	Oct 9, 2020	Desh Bhagat University, Punjab	National
14	Challenges and Issues in Large Diameter Pile Foundation	Nov 20,2020	University of Peloponnese, Greece	International
15	Pile Foundation in Infrastructure Projects	Dec 15,2020	Construction Management Training Institute	National
16	Solid Waste Management	Dec 17,2020	Iran University of Science and Technology (IUST), Iran	International
17	Scenario of Waste Management in India	Dec 17,2020	IES University, Bhopal	National
18	Soil Testing for Construction	Jan 15,2021	Construction Management Training Institute	National
19	Soil Testing in Civil Engineering	Feb 7,2021	Construction Management Training Institute	National
20	Waste Management Scenarios & Environmental Sustainability	Feb 10,2021	Nigerian Institution of Environmental Engineers, Abhuja Chapter	International
21	Deep Foundation	Mar 7,2021	Construction Management Training Institute	National
22	Shallow Foundation	Mar 13,2021	Construction Management Training Institute	National

23	Soil Investigation & Evaluation of SBC	Mar 20,2021	Institute for Research Development and Training of Construction Trades and Management, Bangalore	National
24	Pile Design & Construction Practice for metro projects	Apr 14,2021	SRI Venkateshwara College of Engineering, Sriperumbudur, Tamil Nadu	National
25	Evaluation of SBC of Soil by using Field Methods	Apr 19,2021	Construction Management Training Institute	National
26	Waste Management: Issues and Solutions for A Rapidly Growing Satellite City in National Capital Region, India	April 22,2021	UltraTech cement, ASE Indore, ACCE(I) Indore, IEI (Indore), IBC & ICI	National
27	Waste Problems and the Relation to Waste Mechanics	June 5,2021	Guru Nanak Institutions, TELANGANA, INDIA	National
28	Pile Design and Construction Practices for Metro Project	July 2,2021	NITTTR Bhopal	National
29	Pile Design and Construction Practices for Metro Project	Oct 9,2021	Desh Bhagat University, Punjab	National
30	Pile Design and Construction Practices for Metro Project	Dec 14,2021	JSS Academy of Technical Education, Nodia	National
31	Recent development in design and construction of pile foundation	Dec 11,2021	Iran University of Science and Technology (IUST), Iran	International
32	Landfills and Disaster Waste Management	Dec 28th, 2021	Amity Mega Centre for Natural and Man-Made Calamities	National
33	Disaster Waste Management"	Jan 6 th , 2022	SVKM's NMIMS Mukesh Patel School of Technology Management & Engineering, Mumbai	National
20	Physico-Chemical and Biological Characterization of Urban Municipal Landfill Leachate	Feb 9,2022	Nigerian Institution of Environmental Engineers, Abhuja Chapter	International
21	Field Test and Simulation of Large Diameter Vertical Loaded Pile in Residual Soils	Feb 24,2022	Geomechanics, Geotechnics & Geomaterials Research Lab	International
22	The Science Behind Landfills	Feb 28,2022	IES College of Technology, Bhopal,	National
23	Technical Paper writing and Patent PublishingSkills	Apr 1, 2022	IES College of Technology, Bhopal,	National

RESOURCE PERSON AT A WORKSHOP:

S. No.	Title of Lecture	Title of the workshop.	Date(s) of the event	Organized by	Whether International/ National/State
1	Foundation Strategies for Infrastructure Projects	Sustainability in Civil Engineering: from Sustainable Materials to Sustainable Technologies	16 to 20 th June, 2020	BMS Institute of Technology & Management	National
2	Science & Engineering of Landfilled Waste Mechanics	Recent Trends in Civil Engineering Constructions	30th & 31st May 2020.	Rajarshi Shahu College of Engineering, In Association with Ultra Tech Cement Ltd & IGS Pune Chapter	National
3	Large Diameter Pile Foundation	Rail and Metro: Perspectives and	October 18 & 19, 2019	Organized by S & S Consultants, HOLIDAY INN	National

		Challenges		AEROCITY, DELHI	
4	The behavior of Large Diameter Bored Cast-In-situ piles in Residual Soils: Field Tests & Numerical Simulations	Indian PLAXIS User's Meeting 2019	27 March 2019	Organized by RAM CADDSYS (P) Ltd., Chennai	National
5	Evaluation of Municipal Solid Waste Unit Weight and Shear Wave Velocity Profile	Municipal Solid Waste Management-2016	23-24th February 2016	IISc, Bangalore	National
6	Mohr Coulomb theory & Hardening Soil Parameter	PLAXIS 2D Standard Course	June 6 & 13th, 2021	Organized by RAM CADDSYS (P) Ltd., Chennai	National
7	Scour around Bridge Piers	Ports and Waterways: Perspectives and Challenges	Sept, 25th & 26th, 2021	Organized by S & S Consultants.	National
10	Geophysical Techniques for Characterization of Municipal Solid Waste Landfills	Free webinar series on various near-surface geophysics methods	October 9th, 2021	Organized by the Aqua Foundation Academy, New Delhi.	National
11	Disaster Waste Management	One Week Short Term Training Programme (STTP) On Disaster Risk Management (Phase II – Online)	Dec 7th, 2021	Organized by the Department of Civil Engineering, University College of Engineering, Anna University-BIT Campus, Tiruchirappalli	National
12	Waste Management: Issues and Solutions for A Rapidly Growing Satellite City in National Capital Region, India	AICTE ISTE Induction / Refresher Program 2021-22 "One Week Program for the Faculty of Technical Institutions on "Pollution Control and Remediation a Geo-Environmental Approach"	Dec 31th, 2021	Organized by the Department of Civil Engineering, Malnad College of Engineering	National
11	Pile Design & Construction Practices for Metro Projects	AICTE ISTE Induction / Refresher Program 2021-22 "One Week Program for the Faculty of Technical Institutions on "Recent Advances in Civil Engineering"	Dec 31th, 2021	Organized by the Department of Civil Engineering, Jyothy Institute of Technology	National
12	Disaster Waste Management	One-week short term training program on "Emerging Trends in Civil Engineering"	Jan 29th, 2022	Organized by the B.T.R Construction	National
13	Scour Around Bridge Piers	AICTE ISTE Induction / Refresher Program 2022-23 "One Week Program for the Faculty of Technical Institutions on "Theory and Practical	Feb 1st, 2022	Organized by the Department of Civil Engineering, Karnataka Law Society's Gogte Institute of Technology	National

		Essence of Bridge Engineering			
14	Pile Foundations for River Bridges	AICTE ISTE Induction / Refresher Program 2022-23 "One Week Program for the Faculty of Technical Institutions on "Theory and Practical Essence of Bridge Engineering"	Feb 1 st , 2022	Organized by the Department of Civil Engineering, Karnataka Law Society's Gogte Institute of Technology	National

KEYNOTE ADDRESS DELIVERED

S. No.	Title of Lecture	Title of Conference/ Seminar	Date(s) of the event	Organized by	Whether International/ National/State
1	Large Diameter Piles	Second National Conference on Advancements and Innovations in Civil Engineering (NCAACE-2020)	March 5th, 2020	Jaipur Engineering College and Research Centre	National
2	Challenges and Issues in Pile Foundation	Dr. T.Thimmaiah Institute of Technology Oorgaum, KGF	October 31, 2019	Dr. T.Thimmaiah Institute of Technology Oorgaum	National
3	Field test and Simulation of Large Diameter Vertical Loaded Pile in Residual soils	Indian Association of Structural Engineers,	22nd August 2019	UltraTech Cement Ltd	National
4	Geotechnical Properties of Municipal Solid Waste Landfill	International Conference on "Recent Trends in Technology, Engineering and Applied Sciences" (ICRTTEAS-19)	April 12th-13th, 2019	Organized by Dr. T.Thimmaiah Institute of Technology Oorgaum, KGF	National
5	Assessment of Leachate Pollution Index Bangalore Landfill site	Dr. T.Thimmaiah Institute of Technology Oorgaum, KGF	July 25, 2020	Dr. T.Thimmaiah Institute of Technology Oorgaum	National
6	Physico-chemical and biological characterization of urban municipal landfill leachate	International Conference on Hydrology and Water Management (CHWM 2021)	April 23-25, 2021	Engineering Information Institute and co-sponsored by the Scientific Research Publishing, Xi'an, China.	International
7	Present Scenario of Waste Management in India	International Conference on Energy and Environment (ICEE 2021)	April 09 - 10th, 2021	Jyothi Engineering College, Thrissur, Kerala	International
8	Large Diameter Piles in Metro Foundation	Rail and Metro: Perspectives and Challenges	May 22nd, 2021	S & S Consultants, New Delhi	National
9	Physico-chemical and biological characterization of urban municipal landfill leachate	Two-Day Joint International Web Conference on Global Research Perspectives in Engineering & Technology for Holistic Restructuring	24-25 September 2021	In Association With - Centre for Research & Training (CRT), National Foundation for Entrepreneurship Development (NFED)	National

WEBINAR ORGANIZED

- Organized (Moderator) a Webinar on "Application of Software in Civil Engineering" held at Amity University Haryana on 13th May 2020.
- Organized (Moderator) a Webinar on "Challenges for Civil Engineers in the Ocean & Coastal Engineering Developments" held at Amity University Haryana on 18th May 2020.
- Organized (Moderator) a Webinar on "Load Carrying Capacity of Piles in Cohesive and Cohesionless Soils Subjected to Horizontal Loads" held at Amity University Haryana on 20th May 2020.
- Organized (Moderator) a Webinar on "Exploring Biochar as Amendment in Cover Material of Landfills" held at Amity University Haryana on 26th May 2020.
- Organized (Moderator) a Webinar on "Science Technology & Research in India" held at Amity University Haryana on 29th May 2020.
- Organized (Moderator) a Webinar on "Case Studies- Site Investigation for Offshore & Onshore Development- An Integrated Approach" held at Amity University Haryana on 1st June 2020.
- Organized (Moderator) a Webinar on "Geoinformatics Applications in Civil Engineering" held at Amity University Haryana on 21st Sept 2020.
- Organized (Moderator) a Webinar on "Application of Geostatistics in Geotechnical Engineering" held at Amity University Haryana on 24th Feb 2021.
- Organized (Moderator) a Webinar on " Self Awareness of Career Opportunities in Building Industry 4.0" held at Amity University Haryana on 26th Mar 2021.
- Organized (Moderator) a Webinar on " Artificial Intelligence in Civil Engineering", held at Amity University Haryana on 19th August 2021.
- Organized (Moderator) a Webinar on " Use of Dilatometer test as an effective tool for the determination of important engineering properties from in-situ tests", held at Amity University Haryana on 16th September 2021.
- Organized (Moderator) a Webinar on "Seismotectonics and Geodynamics of the Indian region and new seismic hazard zoning map of India", held at Amity University Haryana on 20th September 2021.
- Organized (Moderator) a Webinar on " Emerging Sensing Technologies for Infrastructure Sensing and Damage Assessment Procedures", held at Amity University Haryana on 08 Oct 2021.
- Organized (Moderator) a Webinar on Automation of OBE Process for Engineering Institutions Using Ioncudds", held at Amity University Haryana on 24th Feb, 2022.

WORKSHOP ORGANIZED

- Organized (Co-Chairman) a Workshop on Civil Engineering Software's (ETABS & MX Road) held at Amity University Haryana on 23-24 January 2020.
- Organized (Co-Chairman) a Workshop on Analysis & Design of Structures using STAAD Pro (Design Software) on 2nd March 2020.
- Organized (Co-Chairman) a Five Days Global Workshop " Brainstorming on Frontiers of Civil Engineering" held at Amity University Haryana, 19th-25th August, 2020.
- Organized (Co-Chairman) a Two Days National Webinar " Disaster Management & Mitigation" held at Amity University Haryana, 3rd -4th Sept, 2020.
- Organized (Co-Chairman) a Three Days Workshop " Sketchup and Revit Software's " held at Amity University Haryana, 22nd March to 24 March 2021.
- Organized (Co-Chairman) a Five Days Workshop " Applications of Software in Civil Engineering" held at Amity University Haryana, 23rd to 27th August 2021.
- Organized (Moderator) a Five Days Workshop " Building Urban Resilience through Advanced Technology" held at Amity Mega Center for Natural & Man-made calamities In collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Govt. of. India. 10th -14th Jan, 2022.
- Organized (Co-Chairman) a Five Days Workshop " Overseas Career & Education Expo" held at Amity University Haryana, 07th Feb -11th Feb 2022.

SEMINAR ORGANIZED

- ♦ Organized (Co-Chairman) a National Seminar on "Integrated Solid Waste Management: Perspective and Way Forward-A Case Study of Gurugram" held at Amity University Haryana in 9th Feb 2018.
- ♦ Organizing (Co-Chairman) a National Seminar on "Sustainability Issues in Infrastructure Projects" held at Amity University Haryana in 2nd April 2018.
- ♦ Organizing (Co-Chairman) a National Seminar on "Transport Modeling for Assessment of Removal of Toxic Metals from Industrial Sludge" held at Amity University Haryana in 24th Aug 2018.
- ♦ Organized (Co-Chairman) a National Seminar on "Recent Advances in Civil Engineering Projects " held at Amity University Haryana in 6th Sept 2018.
- ♦ Organized (Convener) a National Seminar on "Technological Advancements in Construction of High-Rise Structures and their Foundations "held at Amity University Haryana in 27th Feb 2019.
- ♦ Organized (Convener) a National Seminar on "Finite Element Analysis of a Deep Excavation " held at Amity University Haryana in 26th March 2019.
- ♦ Organized (Convener) a National Seminar on " Geophysical Techniques in Civil Engineering Projects " held at Amity University Haryana on 10th October 2019
- ♦ Organized (Co-Chairman) a Workshop on Civil Engineering Software's (ETABS & MX Road) held at Amity University Haryana on 23-24 January 2020.
- ♦ Organized (Co-Chairman) a National Seminar on "Project Management for Infrastructure Projects" held at Amity University Haryana on 17th February 2020.

PROFESSIONAL DEVELOPMENT PROGRAM ATTENDED

- TEQIP III Sponsored One Week Online Short-Term Course " Sustainable Concrete Construction- Issues & Challenges" Organized at Department of Civil Engineering, Dr. B R Ambedkar National Institute of Technology Jalandhar, Punjab, on 26th to 30th October 2020.

PLACEMENT DRIVE

- ♦ Organized "Internship Cum Placement Drive by Ramboll India Pvt Ltd" for students of Amity University Noida & Haryana Branch (B. Tech & MTech- Civil 2021 Passing out batch).

QUESTION PAPER SETTER & MODERATION OF EXAMINATION PAPERS

- Civil Engineering - Ramaiah Institute of Technology, Bengaluru.
- Civil Engineering – Medi-Caps University, Indore.
- Civil Engineering- S R University, Warangal.

RESEARCH PROPOSAL (Submitted)

- Title: "Evaluation of Seismic Response of Municipal Solid Waste Landfills Site at Silchar, India" Submitted: Indian Institute of Technology Kharagpur
Scheme: Scheme for Promotion of Academic and Research Collaboration (SPARC)
Area: Engineering
Amount: Rs. 70, 00,000
Joint collaboration with NIT Silchar, University of Michigan, Ann Arbor, USA & Lehigh University, USA.
- Title: "Coefficient of Consolidation and Its Correlation with Index Properties of Municipal Solid Waste" Submitted: Indian Institute of Technology Kharagpur
Scheme: Scheme for Promotion of Academic and Research Collaboration (SPARC)
Area: Engineering
Amount: Rs. 48, 00,000
Joint collaboration with NIT Silchar, The University of Melbourne, Australia.

INTERNATIONAL COLLABORATION

- Memorandum of Understanding (MOU) between **Amity University Haryana, India & NLD Training Institute, Bhutan.**

IELTS TRAINING PROGRAM

- Served as Resource Person and Taught for regular students on the topic entitled " General Writing Task " at Win Your English IELTS Coaching Institute & Immigration Consulting Services.

CORPORATE TRAINING PROGRAM

- Served as Resource Person and Taught for regular employees on the topic entitled " Technical Paper Writing and Publishing Skills" at Reinforced Earth India Private Limited.

ACADEMIC RESPONSIBILITIES

- ♦ Role as Head of the Department
- ♦ In charge of Geotechnical Engineering Laboratory with effective from July 2007 to till date
- ♦ Programme Coordinator of B. Tech (Civil Eng.) with effective from Jan 2018 to till date
- ♦ Library Coordinator Rep. Civil Engineering Department (B. Tech Programs) with effective from April 2018 to Dec 2018
- ♦ Mentor M. Tech (All Specializations)-1st Semester with effective from July 2017 to Dec 2017
- ♦ NAAC (Criterion 4- Infrastructure and Learning Resources) Coordinator
- ♦ Board of Studies member of Department of Civil Engineering, ASET, AUH

CONFERENCE ADVISORY COMMITTEE MEMBER

- ♦ International Conference on “Recent Trends in Technology, Engineering & Applied Science” at Dr.T. Thimmaiah Institute of Technology, April 12th -13th, 2019 Karnataka.
- ♦ International Conference and Exhibition on “Building Materials and Constructions Technologies” April 20-22, 2020 at Dubai.
- ♦ Second International Conference on “Recent Trends in Technology, Engineering & Applied Science” at Dr.T. Thimmaiah Institute of Technology, scheduled on July 24th & 25th 2020, Karnataka.
- ♦ First National Virtual Conference on " Advancements & Modern Innovations in Engineering and Technology (AMIET 2020)", at Amity University Haryana, 15th September 2020.
- ♦ International Conference on “Contemporary Researches in Engineering, Science, Management and Arts (ICCRESMA) “powered by National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu scheduled on 28-29th February 2020 at Chennai.
- ♦ Indian Geotechnical Conference on " Geotechnics for Infrastructure Development and Innovative Applications (GEO-INDIA)", at National Institute of Technology, Trichy, 16th-18th Dec 2021.
- ♦ The 12th International Conference on Environmental Pollution and Public Health (EPPH-2021), Xiamen, China, November 26-28, 2021.
- ♦ International Conference on Contemporary Researches in Engineering, Science, Management & Arts (ICCRESMA 2022), Jan 29, 2022.

REFeree FOR STATE LEVEL EXHIBITION & PROJECT COMPETITION

- ♦ Idea Conclave for Better Bengaluru, Organized Jointly by Students for Development, Bengaluru, Christ University, Bengaluru, 29-30th July 2016.
- ♦ Waste O Mania Organized Jointly by Students for Development & Srishti 2016, CMR Institute of Technology, Bengaluru, 6-8th May 2016.
- ♦ Climathon BLR 2020: A virtual Marathon for Bengaluru Organized Jointly by Melton Foundation & CSTEP, November 5-7, 2020.

FREELANCER CONSULTANTING SERVICES

Technical advisor for the following companies

- ♦ Spar Geo Infra Pvt. Ltd, New Delhi
- ♦ S S Foundation Pvt. Ltd, Bengaluru
- ♦ Sri Guru Engineering Consultancy Services, Bengaluru

E-COURSES

- E-Course on Soils Mechanics Diploma at International Geotechnical Center CGI, Lima – Peru.
- E-Course on Pile Modelling in PLAXIS
(<https://campus.ramcadds.in/courses/plaxis-pile-modelling>)
- E-Course on "Evaluating the Dynamic Characteristics of Municipal Solid Waste for Geotechnical Purpose" highlighted in EPIC news. (<https://www.epictraining.ca/article.asp?a=27>)

EXTRA CURRICULUM

- ♦ Student Director in N.I.T.K, Co-operative Society, Mangalore for 2007-2009.
- ♦ Student Secretary for Civil Engineering Association
- ♦ Placement Co-coordinator and Class Representative for M. Tech (Geotechnical) for 2007-2009 batches

CIVIL ENGINEERING INTERVIEW

- Through the lens of a Civil Engineering- Dr. Naveen BP; Ep 26
(<https://www.youtube.com/watch?v=pGscgRm5zRY>)

NEWS LETTER

- ♦ Our article "Evaluating the Dynamic Characteristics of Municipal Solid Waste for Geotechnical Purpose" highlighted in EPIC news. (<https://www.epictraining.ca/article.asp?a=27>)
- ♦ IEI Epitome, May 2016, Volume 1, Number4.
- ♦ IEI Epitome, September 2017, Volume 1.
- ♦ IEI Epitome, October 2017, Volume 1.

OTHER IMPORTANT LINKS

<https://sites.google.com/site/bpnaveen864/home>
<https://scholar.google.co.in/citations?user=Jaw12noAAAAJ&hl=en>
https://www.linkedin.com/in/dr-bp-naveen-36930610?trk=nav_responsive_tab_profile_pic
https://www.researchgate.net/profile/Dr_Bp_Naveen
<https://iisc.academia.edu/NaveenBp>
<http://amity.edu/faculty-detail.aspx?facultyID=1551>
<https://twitter.com/naveenbp>
<https://reviewerhub.elsevier.com/reviewer-profile>
<https://publons.com/researcher/1476208/dr-naveen-bp/>
<https://orcid.org/0000-0002-7085-4912>
<http://lattes.cnpq.br/7533512238468443>
<https://www.scopus.com/authid/detail.uri?authorId=56496974000>
<https://vidwan.inflibnet.ac.in/profile/204649>
<https://academic.microsoft.com/profile/hh07h75e-535i-48j9-9hfi-0220g460h534/NaveenBP>

REFERENCES

Dr. Denise-Penelope N. Kontoni

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University of the Peloponnese
1 M. Alexandrou Str., Koukouli, GR-263 34, Patras, Greece.
E-mail: kontoni@uop.gr, kontoni@gmail.com
Tel.: +30-2610-369031 (office); +30-2610-429585 (home)

Prof. T.G. Sitharam

Director & Professor,
Department of Civil Engineering
Indian Institute of Technology Guwahati
E-Mail: proftgs@gmail.com
Phone: +91-9448273751

Prof. P. V. Sivapullaiah

Former Professor
Indian Institute of Science, Bengaluru-560012
Email: sivapullaiah@gmail.com
Phone: +91-7259731234

Prof. S.N. Sridhara

Vice Chancellor
Hindustan College of Engineering,
Kelambakkam, Chennai - 603 103
Email: vc@hindustanuniv.ac.in; sridharasn1964@gmail.com
Phone: +91 9448507428

Prof. Toochukwu Chibueze Ogwueleka

Dean, Faculty of Engineering,
Professor of Water Resources and Environmental Engineering,
Department of Civil Engineering,
University of Abuja, FCT, NIGERIA- 900211
Tel: +234 8035061048
E-mail: ogwueleka@yahoo.co.uk; toochukwu.ogwueleka@uniabuja.edu.ng

Teaching statement:

Teaching is a profession where I share the information with the youngsters and also encourage them to acquire latest techniques and advanced theory to keep updating yourself and enhance the state-of-the-art knowledge in the field of engineering and technology.

Research Statement:

Broadly, I am interested in the field of Geotechnical & Geoenvironmental Engineering but at the same time I am also ready to embrace other fields in multidisciplinary mode.

GOOGLE SCHOLAR CITATIONS



NAVEEN BP

Associate Professor & Head, Amity University Haryana
Verified email at ggn.amity.edu - [Homepage](#)
Geotechnical Engineering -...

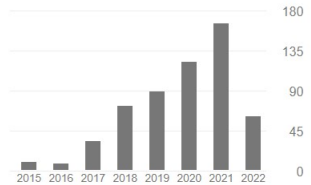
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TITLE	CITED BY	YEAR
Physico-chemical and biological characterization of urban municipal landfill leachate BP Naveen, DM Mahapatra, TG Sitharam, PV Sivapullaiah, ... Environmental Pollution 220, 1-12	318	2017
A study on contamination of ground and surface water bodies by leachate leakage from a landfill in Bangalore, India BP Naveen, J Sumalatha, RK Malik International Journal of Geo-Engineering 9 (1), 1-20	45	2018
Characteristics of a municipal solid waste landfill leachate BP Naveen, PV Sivapullaiah, TG Sitharam Proceedings of Indian Geotechnical Conference IGC, 18-20	25	2014
Effect of aging on the leachate characteristics from municipal solid waste landfill N BP, S PV, S TG Japanese Geotechnical Society Special Publication 2 (56), 1940-1945	19	2016

Cited by

	All	Since 2017
Citations	570	546
h-index	10	9
i10-index	11	8



VIDWAN

Vidwan-ID : 204649



Profile

Personal Information

Expertise Information

Vidwan Score **8.3**

13
ARTICLES

1
CONFERENCES

16
AWARDS

Dr Naveen BP

Associate Professor and Head
Amity University Haryana

Publications 2013 - 2021



Co-author Network

Publications - 16

Co-author - 9

RESEARCH SCHOLARS



Dr. BP Naveen

30.36 · M.Tech, M.S, PhD · [Edit your information](#)
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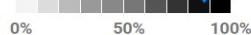


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- 52.94% Publications
- 0.00% Questions
- 46.89% Answers
- 0.17% Followers

Percentile:

Your score is higher than 87.5% of all ResearchGate members' scores.



DECLARATION

This is to confirm that information furnished above is correct and true to best of my knowledge and I should be held responsible for any discrepancy found.

BP Naveen

SIGNIFICANT OUTREACH ACTIVITIES:

1. Session coordinator in Indian Geotechnical Conference 2021 for theme 02 - Geotechnical, Geological and Geophysical Investigation. Organized by Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT on December 16-18, 2021.
2. Acted as Co-Chair Person in Indian Geotechnical Conference 2021 for theme 04 –Ground Improvement Techniques. Organized by Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT on December 16-18, 2021.
3. Acted as technical committee member in Indian Geotechnical Conference 2021 organized by Indian Geotechnical Society, Trichy Chapter in association with Department of Civil Engineering, NITT. December 16-18, 2021
4. Delivered a lecture on 1st Feb, 2022 for AICTE-ISTE Sponsored Refresher Programme on "Theory and Practical Essence of Bridge Engineering", KLS Gogte Institute of Technology, Belagav.
5. Delivered a lecture on 29th December 2021 for AICTE-ISTE Sponsored Refresher Programme on “Pollution Control & Remediation – A Geo Environmental Approach”, Malnad College of Engineering, Hassan.
6. Delivered a lecture on 31st Dec, 2021 for ISTE – AICTE Sponsored one week Induction/Refresher Programme On “Recent Advances in Civil Engineering”, Jyothy Institute of Technology, Bengaluru.
7. Delivered a lecture on 7th Dec, 2021 for One Week Short Term Training Programme (STTP) on “Disaster Risk Management”, Anna University, UCE- BIT CAMPUS, Tiruchirappalli, Tamil Nādu, India.
8. Acted as Session Chair on 29th January 2022 for Track 1: Science, Engineering & Technology (SET) in the International Conference on Contemporary Researches in Engineering, Science, Management & Arts (ICCREMA 2022), Coimbatore, Tamil Nadu, India.

TEACHING PLAN FOR NEXT FIVE YEARS

My main goal is to educate engineers. Most important in that is to stimulate creative thinking, for which design education is critical. Design education is fundamentally different from the standard learning by instruction, even if the latter includes new approaches like the flipped classroom. Design education involves synthesis, implementation, and monitoring of performance – in addition to analysis, which is the classical part of scientific and technical education. While synthesis, i.e., “putting things together” and observing “how it looks or works”, is fully incorporated in education in the arts and literature, as well as in architecture, it played a much lesser role in engineering. Following design education in mechanical engineering, where it was implemented decades ago, design education is now also possible in civil engineering, albeit more difficult, given that implementation of real size projects is often impossible. IT-based tools, i.e., simulation, help to a degree, but must not replace learning by doing with “real things” (not reduced size models).

In own teaching, courses have been taught in a straight-forward way, starting with lot of definitions, basic concepts, and methods for solving well defined problems, which in most cases are simplified and idealized. In most of the basic geotechnical engineering courses, I provide just the necessary information to solve an idealized problem which includes a step-by-step procedure to efficiently solve the problem. My approach towards teaching would be as below:

- Emphasis on not only methods but also on concepts and principles
- Course content to be more interesting, without spending much time on initial portions, such as, phase relationships, clay mineralogy, Atterberg limits, and particle size,
- Balancing on Components of the basic conceptual and theoretical framework of the subject as well as practical applications with laboratory work
- Field exposure through visits to establish a connect between class room studies and to develop a sense of critical thinking and confidence in the students to design real-world projects.

The purpose of the course is to provide understanding of the concepts of geotechnical engineering in professional practice to the undergraduate (senior) and graduate students planning to pursue their career in geotechnical engineering or any other field of civil engineering. The course objectives are given below:

- Apply the principles of geotechnical engineering effectively in a “real-world setting”.
- Plan, manage, and successfully execute geotechnical projects.
- Interpret and use the recommendations developed by geotechnical engineers.
- Incorporate Total Quality Management in the geotechnical projects.
- Apply professional liability, risk management, and loss prevention principles to geotechnical projects.
- Train students to work effectively and efficiently as a member of an interdisciplinary team, satisfy the needs of internal and external clients.

RESEARCH PLAN AND LABORATORY DEVELOPMENT STATEMENT FOR NEXT FIVE YEARS

I completed my PhD with Geotechnical Engineering as a specialization in Civil Engineering from IISc Bangalore. As a doctoral student, I worked on various research topics of diverse areas, which are emerging in the field of geotechnical engineering and environment geotechnics such as:

- Solid Waste Management
- Pile Foundation
- Geotechnical Instrumentation & Monitoring
- Real-time monitoring
- Pile Integrity Testing
- Pile Dynamic Testing
- Geotechnical characterization of a MSW landfill

These studies resulted in development of new and innovative methodologies and refinement of existing methodologies. As such, I wish to focus on experimental and numerical research work, which involve and associate with development of new methodologies and test set-ups or improvement of existing techniques. Apart from this, I am very much interested to work on multi-disciplinary topics, which may involve people from other fields as well as department like CSE, ECE or mechanical, such as, digital dustbin concept, intelligent traffic system, etc. For this, I can take initiative to develop a center of excellence in Environment & Engineering.

As a researcher, I will like to pursue my future research activities in the field of Geotechnical Engineering and Environmental Geomechanics areas:

- (a) Instrumentation in Geomechanics
- (b) Seismic analysis of landfills
- (c) Forensic Geotechnical Engineering
- (d) Experimental study of pipe capacity in the vicinity of buried pipe / tunnel
- (e) Waste disposal / recycling of waste

With an enthusiasm to pursue my carrier in academics and to commence my research activities, immediately after joining the Institute, I will be working on submitting full-scale state-of-the-art research proposals in the field of geotechnical and geo-environmental engineering.

SIGNIFICANT RESEARCH WORK HAS BEEN CONDUCTED

The thesis work entitled “**Assessment of Leachate Characteristics and Geotechnical Properties of Municipal Solid Waste Landfill**” has carried out extensively laboratory and field testing in Mavallipura landfill site, Bangalore. Thesis is divided into nine chapters that are follows:

The following are the major contributions:

1. Identified techniques suitable for the present scenario, the loopholes in the adopted methods and the possible alternatives in MSW management system of Bangalore City.
2. Detailed characterization of municipal solid waste leachate and identify possible relationships of biological communities with environmental parameters from a scientifically managed landfill. The study investigates leachate's Physico-chemical and biological parameters with emphasis on heavy metal accumulation mechanisms which is poorly understood. SEM-EDAX nano-characterization has been used to study the microflora and elemental analysis (solids/aqueous phase). Multiparametric analysis establishes system dynamics through possible linkages between environmental characteristics and microbiota. LPI and WQI have been developed for the landfill site in tropical Indian conditions to analyze the contamination potential that aids in assessment and evaluation of the status of landfill leachate for proper management of landfill sites across the country.
3. The engineering properties of MSW samples retrieved from a Mavallipura landfill are evaluated through in-situ, laboratory tests and dynamic testing of MSW using ultrasonic and cyclic triaxial tests. The waste characteristics are obtained through a few bore holes up to a depth of about 6m through in situ tests (SPT & DCPT).
4. The bearing capacity and uniform elastic compression in the landfill are assessed from in-situ static and cyclic plate load tests.
5. Seismic site characterization of two landfill sites one from Mavallipura landfill site, Bangalore and another from Bhandewadi landfill site, Nagpur using MASW survey and generated a correlation between corrected standard penetration test “N” values and measured shear wave velocity. Generated a correlation between corrected standard penetration test “N” values and measured shear wave velocity.
6. The unit weight, shear wave velocity, strain-dependent normalized shear modulus reduction and material damping ratio relationships for Mavallipura landfill are developed based on laboratory measurement and also validated using semi-empirical methods.
7. Seismic response analysis of Mavallipura landfill has been carried out using the computer programs like SHAKE 2000 and DEEPSOIL.

Author has demonstrated his field and laboratory experimental skills. This thesis significantly contributes to the advancement in the knowledge of characterization of municipal solid waste and leachate characteristics. The topic is very relevant and topical and has a direct social relevance. The testing of municipal solid waste is very challenging, and the author was able to deliver this very eloquently for the municipal landfill sites in and around Bangalore and he has captured the data in depth. The data generated in this thesis could be used to provide the standard procedures for testing on municipal solid waste (which does not exist now).