Dr. Naveen.B.P

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SCOPUS ID: 56496974000

Web of Science
RESEARCHERID: E-7639-2011

Summary:

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

Dynamic, committed and result driven professional, with over 13 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 working 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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SCOPUS ID: 56496974000

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
June 2017- Till date

My basic interest and expertise lie in research in the geotechnical & geoenvironmental arena.
I am particularly interested in the following:

1. Waste Mechanics & Management
2. Landfill Engineering
3. Pile Foundation
4. Geotechnical Field Testing
5. Geophysical Testing
6. Groundwater contamination
7. Ground Improvement Techniques
8. Modeling Contamination Transport

Geodata Pvt Ltd

Senior Geotechnical Engineer
Oct'16 – June 2017

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.,

SS FOUNDATION Pvt Ltd

FREELANCER GEOTECHNICL CONSULTANT
Jan'10- till date

- 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
Mar'08 – Dec'09
Senior Design Engineer (Pile Foundations)

- 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" Saraswathipuram, Mysore

DESIGN GROUP PROJECT CONSULTANTS (P) Ltd
Jul'06 – Jun'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 VISVESVARYA 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.
- **P.G. Level courses handled:**
  1. Solid Waste Management & Recycling- CVP 4208
  2. Finite Element Methods-STE 4104
  3. Ground Improvement Technique- TRE 4104
  4. Pre-engineering Construction Technology- CME 4104
  5. Environmental Impact and Risk Assessment-TRE 4209
  6. 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

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

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.

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 2018-19 in" Civil Engineering" discipline.**
- **Aqua Foundation Professional Excellence Award-2018**
- **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**

GRANTS RECEIVED

- Received **1.0 Lakhs from Bruhat Bengaluru Mahanagara 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.

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.

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
- 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.

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

❖ **Naveen B**P, 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, ISSN: 0269-7491 (Scopus, Impact factor: 5.03).

- **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(Scopus, Impact factor: 1.318).
- **Naveen BP**, Sumalatha J, Malik RK (2020) Numerical modeling of Leachate Transport into Waterbodies at landfill site, Journal of Environmental Engineering and Science, ICE,15(1),6-15. ISSN 1496-2551, https://doi.org/10.1680/jenes.18.00042(Scopus, Impact factor: 1.318)
- **Naveen BP**, Apoorva Goel (2018) Appropriate Model for Landfill Rehabilitation in India using Hazard Rating System, Journal of Environmental Engineering and Science, ICE,13(4), 1-12,https://doi.org/10.1680/jenes.18.00041, ISSN 1496-2551 (Scopus, Impact factor: 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, Impact factor: 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, Impact factor: 0.1).
- **Naveen BP**, Sumalatha J, Malik RK (2019) Numerical modeling of Leachate Transport into Waterbodies at landfill site, Journal of Environmental Engineering and Science, ICE (Printing) (Scopus, Impact factor: 0.239).
- 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,7(27),1-9, d.o.i: 10.1007/s40030-019-00361-3, ISSN: 2250-2149(Scopus, Impact factor: 0.34).
- **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, ISSN: 1947-8488 (Scopus).
- **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(Scopus).
- **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, 43(4), 273-279. https://doi.org/10.5276/JSWTM.2017.273, ISSN: 1088-1697(Scopus).
- **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).
- **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).
- 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,ISSN: 2383-4501(SCI).
- **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, ISSN: 2383-4501(SCI).
- **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 (Scopus, Impact factor: 1.16).
- 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, vol. 16, no. 3, pp. 83-89,DOI: 10.3233/AJW190036, ISSN 1875-8568. (SCI).
- **Naveen BP**, Malik RK, Shubhra Puri (2017) Waste Management Issues and Solutions for a Rapidly Growing Satellite City in National Capital Region, India, Environmental Sciences Journal, EMS Publishers, USA, 1(1):005,1-8, ISSN 2577-7858.
- 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, Volume4, 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 B**P, Sitharam TG (2016) Municipal Solid Waste Landfills Construction and Management-A Few Concerns, International Journal of Waste Resources (IJWR), 6(2), 1-8.
- 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.
- Akbar Firoozi, A Taha MR, **Naveen BP**, Asghar Firoozi A (2014) A Case Study: Design and Construction of Pile and Numerical Simulation by Plaxis, Australian Journal of Basic and Applied Sciences, 8(19), 30-33.

- Mehran Karimpour-Farda, Shayan Zarbakhashb, 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, ISSN: 0263-2241, https://doi.org/10.1016/j.measurement.2020.107985 (SCI, IF=2.791).
- Xing Zheng, Bin Shi, Honghu Zhu, Guangqing Wei, Mengya Sun1, **Naveen.B.P**(2020) Performance monitoring of offshore PHC pipe pile using preinstalled distributed fiber optic sensing cables, The Journal Structural Control & Health Monitoring, Wiley Publisher (Under review)

INTERNATIONAL CONFERENCES

- **Naveen.B. P**, Sitharam.T. G, Vishruth.S "Numerical Simulation of Laterally Loaded Piles", International Conference on Ground Improvement and Ground control (30 October – 2November 2012), Wollongong, Australia, pp.1565-1570.
- Govindaraju.L, Chandeesha. 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.
- **Naveen.B.P** & Denise-Penelope N. Kontoni., "Geotechnical Properties Of Fresh Municipal Solid Waste Landfill in India", 7th International Conference on "Scientific Computing to Computational Engineering",7th IC-SCCE, Athens, 5-8 July 2017.
- **Naveen.B.P**., Malik.R.K., Denise-Penelope N. Kontoni.,"Municipal Solid Waste Management in India**",**8th International Conference on "Scientific Computing to Computational Engineering",8th IC-SCCE, Athens, 4-7 July 2018.
- Sumalatha. J, **Naveen.B.P**., Malik.R.K., "Removal of Heavy Metals from Industrial Sludge using Washing Techniques", 2nd International Conference on " Trends and Recent Advances in Civil Engineering (TRACE-2018), Amity University Noida, Uttar Pradesh, India,23-24 August 2018, Vol.1, pp.29, ISSN: 1505-0297.
- Sumalatha.J, **Naveen.B.P**., Malik.R.K., Denise-Penelope N. Kontoni., " Remediation of a Dump Site Heavy Metals Contaminated Soil Using Immobilization Technique", 8th International Conference on "Experiments/Process/System Modeling/Simulation/Optimization" 8th IC-EPSMSO, Organized by Learning Foundation in Mechatronics (LFME), Athens, 3-6 July 2019, Vol.II pp.311-318, ISSN: 2241-9209.
- **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.

NATIONAL CONFERENCES

- **Naveen.B.P**., Sitharam. T.G, Vishruth.S "Behaviour of Large Diameter Lateral Loaded Piles in Residual Soils: Field Tests and Simulations", Indian Geotechnical Conference (IGC), (15-17 December 2011) Kochi, India Vol.2,pp.835-839
- **Naveen.B.P**. Sitaram nayak., Pujar.K.L. "Designing and construction of piles under various field conditions " in IGC-2010, Geotrendz(December 16- 18),pp.1035-1038
- **Naveen.B.P**, Anil Kumar Sharma, Sivapullaiah.P.V., Sitharam. T.G., " Waste materials in Geoenvironmental applications", National conference on recent advance in ground improvement techniques (February 24-25,2011). CBRI, Roorkee, pp.155-164
- **Naveen.B.P**.," "Solid waste management strategies at Bangalore", Proceedings of second national conference on Innovative practices for sustainable energy and waste managementent: Coimbatore, (April 24-25,2009), pp.62-66
- **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
- **Naveen.B.P.,** Sharma. A.K, P.V., Sivapullaiah.P.V., Sitharam.T.G.,AshwathNaryana.M.S."Characterisitcs of the Leachate from MSW Landfill, Bangalore", Silver Jubilee Celebrations of Indian Chapter of IGS - International Symposium "Geosynthetic India-2013", 24-25 Oct'13, New Delhi, India, pp.139-145
- **Naveen.B.P,** 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
- **Naveen.B.P,** Sivapullaiah.P.V, Sitharam.T.G."Characteristics of a municipal solid waste landfill leachate",Indian Geotechnical Conference on Geotechnics for Inclusive Development of India(GEOIND), (18-20December 2014) Kakinada, pp.1413-141
- **Naveen.B.P,** Sivapullaiah.P.V, Sitharam.T.G, Ramachandra.T.V."Characterization of leachate from municipal landfill and its effect on surrounding water bodies", Lake 2014: Conference on Conservation and Sustainable Management of Wetland Ecosystems in Western Ghats,13-15 November 2014, Sirsi, Karnataka, pp.1-9
- **Naveen.B.P**, Sitharam.T.G., Sivapullaiah.P.V., Advanced Geophysical Characterization for Evaluating Dynamic Properties of MSW Landfills", National Conference on Geo-Innovations,3031 October 2014,IISc,Bangalore,GC-1,pp.1-4
- **Naveen.B.P**, Manish.S, Aravind.H.B. " Behaviour of Laterally Loaded Piles in Residual Soil", Deep Foundation Technologies for Infrastructure Development in India, 19-20,September2014, IITDelh, NewDelhi,India.pp.35
- **Naveen.B.P,** Sitharam.T.G, Sivapullaiah.P.V " Technology Options For Treatment of Municipal Solid Waste in Bangalore city", Symposium on Management and Procurement of Integrated Waste Management System, under TEQIP: A GOI-MHRD INITIATIVE 2014-15, Guwahati, Assam, India, held at IIT Guwahati, 6-7th February 2015,pp.31-32
- **Naveen.B.P,** Sivapullaiah.P.V, Sitharam.T.G. " Influence of Leachate Migration on Ground Water Quality", 5th Indian Young Geotechnical Engineer's Conference (5IYGEC-2015), Indian Geotechnical Society Baroda Chapter,14-15 March 2015,pp 127-128.
- **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 (WTERT), India, held at IICT ,Hyderabad,29-30th January 2015, pp.1-10
- **Naveen.B.P,** Sitharam.T.G, Sivapullaiah.P.V ., " Evaluation of Municipal Solid Waste Unit Weight and Shear Wave Velocity Profile", Conference on Municipal Solid Waste Management2016, 23-24th February 2016
- **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.

BOOK CHAPTER

- **Naveen.B.P**, Sitharam.T.G. Sivapullaiah.P.V. (2017), "Recent Challenges and Advances in Geotechnical Earthquake Engineering", IGI Global Publisher, USA, pp.168-196, ISBN13:9781522569480.
- **Naveen.B.P** & Sivapullaiah.P.V.(2020), "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.

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 Lechate 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 Lechate 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)

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.

UNDER & POST GRADUATE DISSERTATIONS SUPERVISED:

POST GRADUATE DISSERTATIONS SUPERVISED (INTERNATIAONAL 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 (Solid Waste)	2018	Giancarlo Vecchi & Naveen BP	Politecnic di Milano, Italy

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, Delhi	Sachin D	M.Tech (CTM)	2018	Naveen BP & Ankit	Amity University Haryana, India
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

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 (Ongoing)	Naveen BP & Malik R K	Amity University Haryana, India

Ph.D DISSERTATIONS SUPERVISED:

Ph.D DISSERTATIONS SUPERVISED					
Title of the Dissertations	**Student name**	**Specialization**	**Year of Completion**	**Supervisor/ Co-Supervisor**	**University**
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
Sustainability Zero Waste Industrial Building	Anil Soharu	Ph.D (Civil Eng)	Ongoing	Dr. Naveen.B.P Dr. Vaishali Sahu	Amity University Haryana, India
Predictive Optimization Model for Geopolymer Cement Production	Zvikomborero Lazarus Duri	Ph.D (Civil Eng)	Ongoing	Dr. Rajesh Arora, Dr. Naveen.B.P Dr. Rajesh Goyal	Amity University Haryana, India

CONSULTANCY PROJECTS

Title	Funding Agency	Value	Consultants
Material Testing	M/s Power Grid Corporation Ltd., Manesar	30,000	Naveen.B.P

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 (NCAAICE-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

TECHNICAL LECTURE DELIVERED IN WEBINAR:

S. No.	Title of Lecture	Title of Conference/ Seminar/ workshop etc.	Date(s) of the event	Organized by	Whether International/ National/State
1	Pile Design and Construction Practices for Metro Projects	Indian Geotechnical Society, Goa Chapter	15 June 2020	Goa University	National
2	Engineering Properties of MSW	The Nigerian Institution of Environmental Engineers	10 June 2020	Nigerian Abuja Chapter	International
3	Pile Design & Construction Practice for metro projects	NRI Institute of Information Science & Technology, Bhopal	1st June 2020	NRI Institute of Information Science & Technology, Bhopal	National
4	Waster Problem & The Relation to Waste Mechanics	NRI Institute of Information Science & Technology, Bhopal	30th May 2020	NRI Institute of Information Science & 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 20th 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 Challenges	October 18 &19, 2019	Organized by S & S Consultants, HOLIDAY INN AEROCITY, DELHI	National
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

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.

RESEARCH PROPOSAL (Submitted)

- Title: "**Effective Bioremediation of Leachate from Contaminated Municipal Solid Waste Landfill Site and Surrounding Water Bodies**"

Submitted: Science and Engineering Research Board (SERB)
Scheme: Core Research Grant
Area: Life Science
Amount: Rs. 16, 00,000

- 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.

- Title: "**Dynamic Properties of Municipal Solid Waste Landfill in India**"

Submitted: Science and Engineering Research Board (SERB)
Scheme: Teachers Associateship for Research Excellence(TARE)
Application No: TAR/2020/000330
Amount: Rs. 15, 00,000

- Title: "**A comparison of field and laboratory tests of large diameter vertical pile in sandy soil**"

Submitted: Department of Science & Technology (DST)
Scheme: SwarnaJayanti Fellowship Cell
Application No: TPN / 48861
Amount: Rs. 88, 00,000

Research Proposal (Yet to be Submitted)

- Title: "**Prediction of potable safe drinking water scenario/availability in next 50 & 100 years and source identification, spatial mapping of distributed mean chloride (Cl^+) and sulphate ($SO4^-$) deposition across Indian subcontinent**"

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 Contortium Jagerry Powder for Bioremediation Process of Minimise 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 Asbestors Fiber Reinforced Geopolymer Bricks "
  Application number: 202011011892; Date of filing: 19.03.2020

- Title of Invention: "Predictive Optimisation Model for Geopolymer Cement Production"
  Application number: 202011012583; Date of filing: 23.03.2020

INTERNATIONAL COLLABORATION

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

SEMINAR CONDUCTED

- 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
- 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 "Smart Drinking -Water Supply Systems for Indian Cities" held at Amity University Haryana on 26th May 2020.

ACADEMIC RESPONSBILITES

- Incharge of Geotechnical Engineering Laboratory with effective from July 2007 to till date
- Programme Coordinator of B.Tech (Civil Engg) 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

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

CONFERENCE ORGANIZING COMMITTEE MEMBER

- International Conference and Exhibition on “Building Materials and Constructions Technologies” April 20-22, 2020 at Dubai.
- 2nd International Conference on “Recent Trends in Technology, Engineering & Applied Science” at Dr.T.Thimmaiah Institute of Technology, scheduled on May 16th & 17th,2020, Karnataka.

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 (Geotech) for 2007-2009 batches

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

REFERENCES

Dr. Denise-Penelope N. Kontoni
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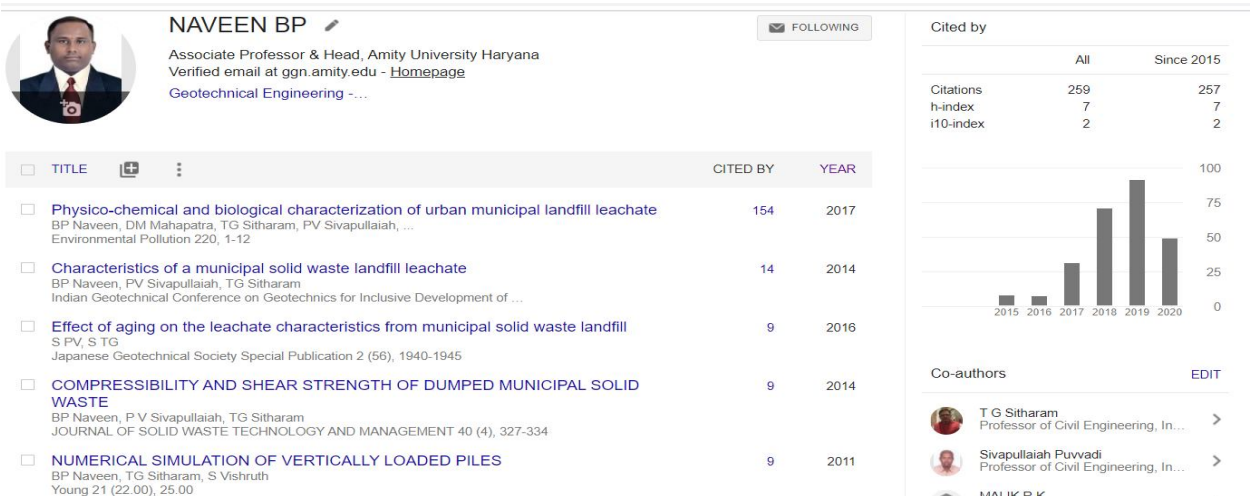
Dr. S.N. Sridhara
Professor and Director,
Amity University Haryana, Gurgaon - 122 413
Email: snsridhara@ggn.amity.edu, sridharasn1964@gmail.com
Phone: +91 9448507428

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

FOLLOWING

Associate Professor & Head, Amity University Haryana
Verified email at ggn.amity.edu - Homepage
Geotechnical Engineering -...

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	154	2017
Characteristics of a municipal solid waste landfill leachate BP Naveen, PV Sivapullaiah, TG Sitharam Indian Geotechnical Conference on Geotechnics for Inclusive Development of ...	14	2014
Effect of aging on the leachate characteristics from municipal solid waste landfill S PV, S TG Japanese Geotechnical Society Special Publication 2 (56), 1940-1945	9	2016
COMPRESSIBILITY AND SHEAR STRENGTH OF DUMPED MUNICIPAL SOLID WASTE BP Naveen, P V Sivapullaiah, TG Sitharam JOURNAL OF SOLID WASTE TECHNOLOGY AND MANAGEMENT 40 (4), 327-334	9	2014
NUMERICAL SIMULATION OF VERTICALLY LOADED PILES BP Naveen, TG Sitharam, S Vishruth Young 21 (22.00), 25.00	9	2011

Cited by

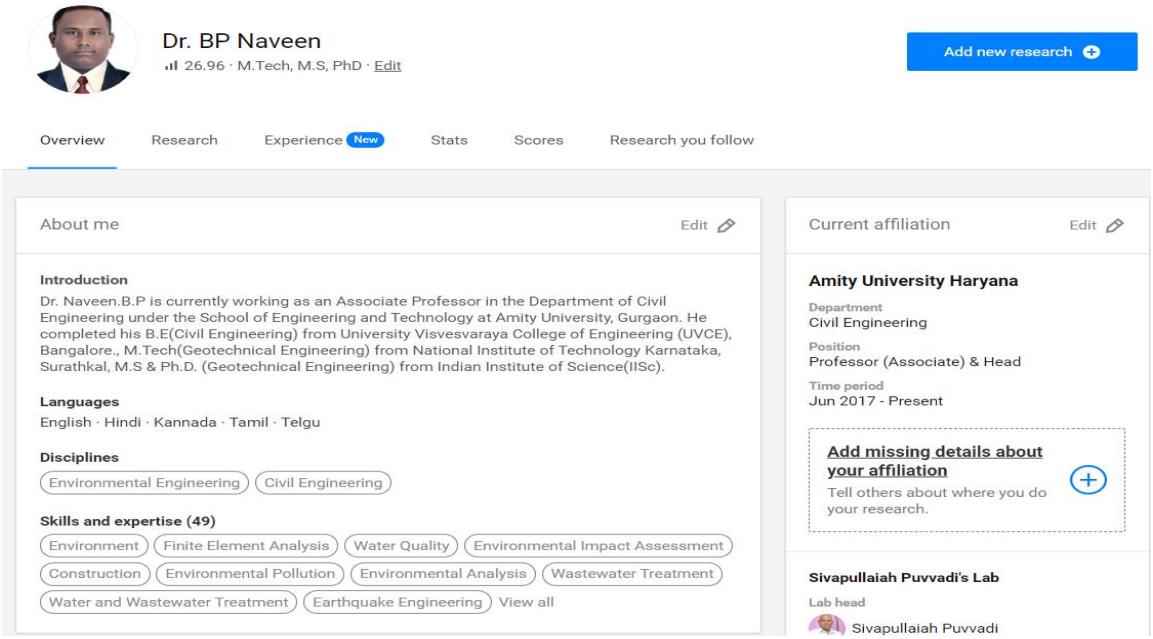
	All	Since 2015
Citations	259	257
h-index	7	7
i10-index	2	2

Co-authors EDIT

T G Sitharam
Professor of Civil Engineering, In...

Sivapullaiah Puvvadi
Professor of Civil Engineering, In...

RESEARCH SCHOLARS



Dr. BP Naveen

26.96 · M.Tech, M.S, PhD · Edit

Add new research

Overview Research Experience New Stats Scores Research you follow

About me Edit

Introduction

Dr. Naveen.B.P is currently working as an Associate Professor in the Department of Civil Engineering under the School of Engineering and Technology at Amity University, Gurgaon. He completed his B.E(Civil Engineering) from University Visvesvaraya College of Engineering (UVCE), Bangalore., M.Tech(Geotechnical Engineering) from National Institute of Technology Karnataka, Surathkal, M.S & Ph.D. (Geotechnical Engineering) from Indian Institute of Science(IISc).

Languages

English · Hindi · Kannada · Tamil · Telgu

Disciplines

Environmental Engineering | Civil Engineering

Skills and expertise (49)

Environment | Finite Element Analysis | Water Quality | Environmental Impact Assessment | Construction | Environmental Pollution | Environmental Analysis | Wastewater Treatment | Water and Wastewater Treatment | Earthquake Engineering | View all

Current affiliation Edit

Amity University Haryana

Department
Civil Engineering

Position
Professor (Associate) & Head

Time period
Jun 2017 - Present

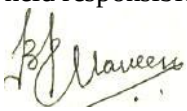
Add missing details about your affiliation
Tell others about where you do your research.

Sivapullaiah Puvvadi's Lab

Lab head
Sivapullaiah Puvvadi

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.



Dr. Naveen. B. P

TEACHING AND SERVICE

Dr. Naveen teaches the course in Geotechnical, Geo-environmental and Foundations Engineering at the undergraduate level; and Ground Improvement, Environmental Impact Assessment, Soil-Structure Interaction, Construction Methods in Geotechnical Engineering, and Solid & Hazardous Waste Management at the Postgraduate level. He served as a 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 the Department of Science and Technology (DST), Government of India.

He has advised one M.S. student, six M. Tech students, and more than 12 undergraduate research students. He also serves as a reviewer for several journals in geotechnical, waste management, geology, and geoenvironmental engineering.

He is a member of Institute of Electrical & Electronics Engineers (IEEE), American Society of Civil Engineering (ASCE), American Society for Testing and Materials (ASTM), International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE), Indian Geotechnical Society (IGS), Karnataka Environmental Research Foundation (KERF), National Foundation for Entrepreneurship Development (NFED), Consulting Engineers Association of India (CEAI), Institution of Engineering and Technology (IET), Institution of Engineers (India). He served as the Board Studies member & NAAC Coordinator at the Department of Civil Engineering, Amity School of Engineering & Technology, Amity University Haryana.

He is the Chief Editor of one international Journal in his area of research. He has reviewed several research articles in Elsevier, SAGE, and Springer. He has also collaborated on research with different groups and research centers during his academic career. He has overseas working experience having worked in Kenya, Japan, and USA.

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-characterisation 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 analyse 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 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).