राष्ट्रीय प्रौद्योगिकी संस्थान श्रीनगर
हजरतबल, श्रीनगर, जम्मू-कश्मीर, १९०००६, भारत
(भारत सरकार के शिक्षा मंत्रालय के तत्वावधान में राष्ट्रीय महत्व का एक स्वायत्त संस्थान।)
सिविल इंजीनियरिंग विभाग

NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR
Hazratbal, Srinagar Jammu and Kashmir, 190006, INDIA
(An autonomous Institute of National Importance under the aegis of Ministry of Education, Govt. of India)
DEPARTMENT OF CIVIL ENGINEERING

Dr. B. A. Mir

Ph.D. (Geotech-IITB), M. E.* (Geotech-IISc), M.B.A.* (ICM), B. E.* (UoK)
MASCE (USA), MISSMGE (UK), MIGS, MISCMS, MICI, MISTE, MIE (I), MISWE, MISRMTT, C. Engg. (I), P. Engg (UK), SNM-UASCE (USA)

No.: NIT/CED/GTE/BAM/R-203

Dated: November 22, 2026

"CURRICULUM VITAE"

A	General	
1	**Name**	: **Prof. (Dr.) Bashir Ahmed Mir**
2	**Affiliation**	: Deptt. of Civil Engineering, National Institute of Technology Srinagar-190006, J&K (INDIA)
3	**Designation**	: **Professor (Head, Geotechnical Engineering Division) & Dean Academic Affairs (DAA)** [**Formerly Dean Planning & Development (2020-22), NIT Srinagar**]
4	**E-Mail IDs**	: **p7mir@nitsri.ac.in, bamiriitb@gmail.com, bashiriisc@yahoo.com**
5	**URL/ Acadimia Links**	: **https://www.nitsri.ac.in/Pages/FacultyProfile.aspx?nEmpID=sa&nDeptID=c** **https://topscinet.com/top_social/public_profile/U35795/** **https://www.scopus.com/authid/detail.uri?authorId=56519747700&eid=2-s2.0-** **https://www.semanticscholar.org/author/Bashir-Ahmed-Mir/2164682301** **https://www.linkedin.com/in/prof-dr-ing-bashir-ahmed-mir-3b64a627/** **https://www.adscientificindex.com/scientist/bashir-ahmed-mir/6105614** **https://www.researchgate.net/profile/Dr_Bashir_Ahmed_Mir** **https://scholar.google.com/citations?user=EsHxh70AAAAJ** **http://www.researcherid.com/rid/F-3770-2017** **https://vidwan.inflibnet.ac.in/profile/48323** **https://orcid.org/0000-0002-9360-9223**
6	**Educational Qualifications**	: **Ph. D. (IITB), M. E.*(IISc), M.B.A.*(ICM), B.E.* (UoK)**
7	**Research Areas**	: Prediction of Soil Behavior, Foundation Engineering, Critical State Soil Mechanics, Computational Geotechnics, Expansive Soil Engg., Ground Improvement, Reinforced Soil Structures, Engineering Geology, Environmental Geotechnics, Transportation Geotechnology, Pavement Geotechnics, Highway Material Characterization, Unsaturated Soil Mechanics, Waste Management and Sustainability, Disaster Mitigation/Landslides, Stability of Earth Retaining Structures, Nanotechnology, Soil Bio-Engineering
8	**Subjects Teaching**	: Engineering Mechanics, Engineering Geology, Engineering Surveying-I & II, Geotechnical Engineering-I & II, Advanced Geotechnical Engineering (**UG Level**); : Engineering Behavior of Soils, Ground Improvement Techniques, Advanced Foundation Engineering, Behavior and Testing of Unsaturated Soils, Deep Foundations (**PG Level**) : Critical State Soil Mechanics, Research Methodology (**PhD Level**)
9	**Total Experience**	: **Teaching**: > 33 Years (since May 20, 1993-to date); **Industrial/Field**: 1 Year, 7 Mths
10	**Research Guidance**	: PDF: 02; PhD: 08 (Awarded), 08 (ongoing); M. Tech.: >30; B. Tech.: >100
11	**Consultancy Works**	: Geotechnical Engineering, Foundation investigations, Ground Improvement, Highway Engineering, Construction Materials, Engineering Surveying (> 100 Projects).
12	**Publications at National/ International Level**	: > **175 (in Refereed International/National Journals, Conferences and Book Chapters)**: **ORCID ID:** 0000-0002-9360-9223; **Researcher ID**: F-3770-2017; **Whatsapp No**: 9419002500 **Google Scholar ID: EsHxh70AAAAJ; Scopus Author ID: 56519747700; Vidwan ID**: 48323 **AD Scientific Index ID: 6105614; Linkedin ID: 3b64a627; Semantic Scholar ID: 2164682301**
13	**Patents**	: **04 (Design Patents: 02; Published Patents: 02)**
14	**Abroad Visits**	: Australia, Bangkok, China, Japan, Malaysia, Singapore, Italy, Taiwan, Tunisia, UK
15	**Hard & Software Skills Operating Systems**	• Excellent command in hardware & software knowledge, MS-DOS, Windows 95/98/XP/Vista/Win7/Win8/Win10/Win11 • Various Softwares in Civil Engg.- CASTeR, Origin, Grapher, EnSoft Engg Softwares, Plaxis 3D, Flac 3D, GEO5, Optum, Grapher, Surfer
16	**Contact References**	**1. Prof. Ashish Juneja**, Professor, Deptt. of Civil Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 40 0076, **Email: ajuneja@iitb.ac.in; Cell No: +91 9820 301 079** **2. Prof. G L Sivakumar Babu**, Professor, Geotechnical Engg. Division, Department of Civil Engg, Indian Institute of Science, Bangalore-560012, Karnataka, India. **3. Prof. (Dr.) Mohammad Abdul Mannan,** Professor, Dr. Fellow (ICE, UK), Fellow (IEB, Bangladesh), Department of Civil Engineering, Faculty of Engineering, Universiti Malaysia Sarawak, UNIMAS, 94300, Kota Samarahan, Sarawak, Malaysia **Email: mannan@unimas.my, mannan27@hotmail.com,** **www.unimas.my, HP: +60198016482**
17	**Mailing Address**	: Room No. 203 Department of Civil Engineering, National Institute of Technology (NIT), Hazratbal, Srinagar-190 006, J&K (INDIA) **E-mail: p7mir@nitsri.ac.in**, bashiriisc@yahoo.com / bamiriitb@gmail.com **Mobile Nos**: **09419002500 / 09103402500**; **Whatsapp No.**: **09419002500**

Prof. (Dr.) B. A. Mir

Prof. & Distinguished Researcher in Geotechnical Engineering



Prof. (Dr.) B. A. Mir, Ph.D., C. Engg (I), F.InSc HF.IMRF, SEFM, MASCE (USA), P.Engg (UK), is a Distinguished Professor and PG Head Geotechnical Engineering Division in the Department of Civil Engineering, National Institute of Technology Srinagar, Kashmir (J&K), obtained his Ph.D. (Geotech. Engg) from the Indian Institute of Technology Bombay, M.E. (Geotech. Engg) from the Indian Institute of Science (IISc) Bangalore, and M. B. A. from the Institute of Chartered Managers, IAS Academy Chennai. Over the last 30 years, Prof. Mir, an established teacher, researcher, and active consultant has conducted extensive research on various aspects of geotechnical engineering. Prof. Mir has published more than 150 research papers in international journals and conferences and he is the recipient of many Best Paper Awards. Dr. has authored a book titled: Manual of Geotechnical Laboratory Soil Testing published by CRC Press (Taylor & Francis), which was released in the month of Oct. 2021. Dr. Mir has traveled to many countries abroad including Australia, Bangkok (Thailand), China, Italy, Japan, Malaysia, Singapore, Taiwan, Tunisia, and United Kingdom (UK) and presented his research papers. Prof. Mir has also chaired technical sessions in international conferences abroad and in India. His research areas include prediction of soil behavior, constitutive modeling, ground improvement, foundation engineering, reinforced soils, critical state soil mechanics, environmental geotechnics, characterization of expansive soils and fly ash, characterization of highway materials, and engg. geology. Prof. Mir is also an active journal reviewer and advisory board member for various journals such as Ground Improvement, ICE–UK, GEGE Springier, Geotechnique–UK, IJGE–Ross Pub. USA, Geomate–Japan. Prof. Mir is also an active member of various scientific and professional societies and holds membership of Sr. M. IEEE (Delhi Section), MASCE (USA), MISSMGE (UK), MICE (UK), LMIGS, LMISTE, LMISCMS, LMISWE, LMICI, LMISRMTT, LMIE, C.Engg (I), UACSE (USA), and P.Engg (UK). Dr. Mir has provided consultancy services to more than 150 projects of national importance of various government and private agencies. Dr. Mir is also Hon. Secretary, IGS Srinagar Chapter and Dean Planning & Development Wing NIT Srinagar. Prof. Mir is also representing India as a technical committee (TC 216) member on "Frost Geotechnics" of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for the years 2026–2029. Prof. Mir is Honoured to be featured among the world's Top 2% Scientists for 2025, as recognized by Stanford University, USA—an esteemed acknowledgment of global research excellence and academic impact.

B. Educational Qualifications Starting from High School Onwards

Institute / University	Certificate/ Degree	Duration/ Session	Subject	%Age Marks/ Division/ CGPA
J&K Board of School Education Jammu	12[FTH] Standard	March - 1986	Physics, Chemistry Mathematics	I[st]. Class
REC, University of Kashmir	B. E.	Aug.1986- Aug.1991	Civil Engineering	(I[st]. Class)
Institute of chartered Managers (ICM), IAS Academy Chennai	M. B. A.	2 years July 1998-June 2000 (by correspondence)	Business Mgt.	(I[st]. Class)
Indian Institute of Science, IISc, Bangalore –560 012	M. E.	$1\frac{1}{2}$ years (July 2000-DEC. 01)	Geotechnical Engineering.	(I[st]. Class: 6.3/8) with outstanding Grade in Dissertation
Indian Institute of Technology, Bombay, Mumbai-400076	Ph.D.	(July 19, 2007 to Dec-18, 2009) (2 Years, 05 Months)	Geotechnical Engineering	CGPA: 8.88/10 Report on Thesis as appended below

Title of M. E. Thesis: "*The effect of Fly ash on the Engineering Properties of Black Cotton Soils*". DOI:10.13140/RG.2.2.19755.98084, pp. 1-167.

Supervisor(s): Prof. N. S. Pandian/Prof A. Sridharan, Deptt. of Civil Engineering, IISc Bangalore

PROJECT CREDITS: 0:12 PROJECT GRADE: S

PROJECT TITLE: The Effect of Fly Ash on the Engineering Properties of Black Cotton Soils

RESULT: *FIRST CLASS*

W : Withdrawn
TGPA : Term Grade Point Average
CGPA : Cumulative Grade Point Average
Maximum : 8.0

EIGHT POINT SCALE GRADING SYSTEM

Grade	Qualitative Assessment	Point Value of Grade
S	Outstanding	8
A	Excellent	7
B	Very Good	6
C	Good	5
D	Satisfactory (Pass Grade)	4
F	Fail	0

Title of Ph.D. Thesis: "*Study of the influence of smear zone around sand compaction pile on properties of composite ground*." DOI: 10.13140/RG.2.2.13045.09446, pp. 1-179.

Supervisor: Prof. A. Juneja, Deptt. of Civil Engg. IIT Bombay

7. Detailed report on the thesis: (Comment on the salient features of the work reported in the thesis and the basis of the recommendations - use additional sheets, if necessary.)

This is an excellent Ph.D. thesis. Using laboratory analysis that includes CU tests with pwp measurements, as well as the use of SEM and XRD analyses on homogeneous samples of clay and in composite samples of clay and sand (SCP), the thesis clearly explains why the use of SCP improves the compressive strength of clays . It also clarifies and explains how the use of SCP causes smear zones that influences how excess pore water pressures develops and relaxes around sand columns in the clay. The thesis also explain the changes in fabric that the clay surrounding the SCP experienced during the compressive loading of the clay-sand composite.

The thesis is also important because it explains why the use of SCP works in the field.

In summary, the thesis is a very impressive piece of work that gives its author a deserved Ph.D. degree.

Name of the examiner, Dr. Luis E. Vallejo
Professor, Department of Civil & Environmental Engineering, University of Pittsburgh, Pittsburgh, PA 15261, USA.

Luis E. Vallejo
(Signature of Examiner)

C: Selected Awards & Honours

27. **Honored to be featured among the World's Top 2% Scientists for 2026, as recognized by Stanford University, USA**—an esteemed acknowledgment of global research excellence and academic impact; **https://topscinet.com/top_social/public_profile/U35795/**

26. **Honored to be featured among the World's Top 2% Scientists for 2025, as recognized by Stanford University, USA**—an esteemed acknowledgment of global research excellence and academic impact; **https://topscinet.com/top_social/public_profile/U35795/**

25. Conferred with the prestigious *"GANTANTRA DIWAS PURASKAR 2025"* for his "**Exceptional and enduring contributions in the field of Geotechnical Engineering**" on the eve of 76TH Republic Day (26/01/2025) by IMRF Institute of Higher Education and Research Vijayawada (AP) India. This most Coveted honour recognizes his outstanding achievements and unwavering commitment to advancing education, research, and technological innovation in Geotechnical Engineering. Prof. Mir's remarkable contributions continue to redefine the future of the discipline, setting new standards of excellence.

24. Conferred upon the award of "**INTERNATIONAL RESEARCH EXCELLENCE AWARD 2023**" in recognition of the consistent superior performance in **GEOTECHNICAL ENGINEERING on the eve of World Teachers' Day Awards 2023** by International Multidisciplinary Research Foundation (IMRF), Institute of Higher Education & Research, INDIA (Regd with Govt. of India NITI Aayog NGO Darpan (Estd: U/S 35 of 2001, Govt. of A.P.) HQ: Vijayawada, India, **Oct. 05, 2023**.

23. Conferred upon the **Keynote Best Paper Award for the Paper "**Soil Bioengineering: A Sustainable Ground Improvement Technique for Stabilization of Marginal Soils" during 12th International Conference on Geotechnique, Construction materials and environment (GEOMATE2022), Nov. 22-24, 22022, Bangkok Thailand.

22. Nominated to **represent Indian Geotechnical Society (IGS)** on the International Technical Committee TC-216 on "Frost Geotechnics" of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for the term **2022-2025**.

21. Recipient of **SPRINGER BEST PAPER AWARD** for the Paper: "Mechanical Behaviour of Silty Soil Reinforced with Carbon Fibres" during IGC-2021 held on December 16-18, 2021 organized by NIT Tiruchirappali, TN (India).

20. Conferred upon the **Best Paper Award** for the Paper "Freezing point of soils and factors affecting it's depression" at the 1ST International Conference on Advances in Construction Materials and Management (ACMM 2021) Organized by Department of Civil Engineering, SRM Institute of Science & Technology, Kattankulathur, in collaboration with Universiti Malaysia Sarawak (UNIMAS), Malaysia.

19. Conferred upon the **award of Distinguished Researcher in Geotechnical Engineering** by the Board of Management of the Venus International Foundation based on the VISTA 2021 Expert Committee Report and Apex Committee Recommendations during 7TH Annual Science & Technology Meet (ASTM-2021), November 2021.

18. Conferred upon the **award of Indo Asian – Distinguished Professor Award 2021 in Geotechnical Engineering** during the World Teachers Day Celebrations at IMRF Institute of Higher Education & Research Campus, Vijayawada, India on Oct 05th 2021.

17. Honored with **Certificate of Recognition of "SAS Eminent Fellow Membership** (SEFM)" in recognition for my outstanding contribution in Education and Research (Oct. 2021) by the Executive Committee of Scholars Academic and Scientific Society - *An International Society for Academic & Scientific Integration* (Certificate No.: SAS/SEFM/083/2021).

16. Honoured with **InSc Fellow membership** of InSc International Publishers (IIP) in recognition of Professional Standing-2021 by Institute of Scholars, April 2021 Bengaluru-560091, Karnataka, India.

15. **Chair of the Panel Session** in the "International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS-2021)" during 19th and 20th November 2021 organized by the Department of Civil Engineering, N.M.A.M. Institute of Technology, Nitte, Karkala

14. Honored with **Certificate of Recognition of "WALL OF FAME AWARD"** (An initiative to identify, recognize and award the contributors of higher education) as one of the Top 20 Expert Faculties in the field of Civil, Electrical, Electronics, Mechanical & Aeronautical Engineering for the year 2020 by the Academic Council of uLektz (Certificate No: ULZ/WoF/0001064).

13. Honoured with **OUTSTANDING SCIENTIST AWARD** In the 8th International Scientist Awards on Engineering, Science and Medicine, held on 21 & 22-Aug-2020, Madurai, India, Organized by VDGOOD Professional Association.

12. Honoured with **Esteemed Grade of Fellowship** by Open Association of Research Society (USA) for the exceptional achievements in my Research Work (2019)

11. Recipient of **Best Paper Award from World Academy of Science**, Engineering & Technology, UK (ICCEGE 2017), July 24, 2017, London, UK.

10. Recipient of **Best Paper Award from Global Research Development & Services** during International Conference on Research in Engineering and Technology (ICRET-2015), Jan. 2015, Bangkok, Thailand.

9. Recipient of **Best Paper Award from Indian Geotechnical Society Ludhiana** during 4TH Terzaghi Oration Lecture (GEPSID 2014) Oct. 2014, India.

8. Recipient **of Best Paper Award from IRED USA** during International Conference on Advances in Engineering & Technology (ICAET-2014) May, 2014, India.

7. Recipient of **QIP National Scholarship from AICTE/MHRD** to pursue Graduate studies (M E.) at Indian Institute of Science, Bangalore, India (2000-2001)

6. Recipient of **QIP National Scholarship from MHRD** to pursue doctoral studies Ph.D.) at Indian Institute of Technology, Bombay, Mumbai, India (2007-2009).

5. **Chair/Session Leader** for for Technical Session in the 50TH IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT), in Pune, Dec. 17-19, 2015

4. **Chair/Session Leader** for Plenary Session on International Conf on Research in Engineering & Technology in Bangkok, Thailand, Jan. 4, 2015.

4. **Chair/Session Leader for** Technical Session on in International Conference on Advances in Engineering & Technology (ICAET-2014) organized by Institute of Engineers & Doctors, USA in Roorkee, India.

3. **Chair/Session Leader for** Technical Session on Conf. on Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEPSID-2014), India

2. **Chair/Session Leader for** Technical Session on International Conference on Geotechnique, Construction Materials and Environment, Nagoya, Nov. 13-15, 2013, Japan.

1. Chair/Session Leader for Technical session on International Conference on Cleaner Technologies & Environmental Management (ICCTEM-2007), India.

D: Contribution to Education, Innovation, Design of New Courses and Curriculum- the various assignments are briefly out-lined as below:

17. **Granted a Design Patent** (No. 416170-001, dated 23.07.2025, Serial No. 205175) for the innovative work titled "**Apparatus for Treatment of Soil Samples**". This patent has been awarded in recognition of the advanced research in Soil Bio-engineering, in accordance with the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

16. **Granted a Design Patent** (No. 416513-001 Dated27/12/2024, Serial No. : 188407) for the innovative work titled "**Soil Slurry Mixing and Sample Preparation Apparatus**". This patent has been awarded in recognition of the advanced research in Critical State Soil Mechanics for Reconstituted Soil Samples for high end Research in accordance with the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

15. **Upgraded Advanced Geotechnical Laboratory** by way of **Fabrication of Stiffened Deep Cement Mixing (SDCM) Pile setup** for Plate load testing machine for research work **-2023-24** (Produced M. Tech & Ph.D. Theses)

14. **Authored- Manual of Geotechnical Laboratory Soil Testing published by CRC Press, Taylor & Francis Group (© 2022)**

13. **Established Frozen Soil Laboratory (Cold Region)** by way of fabrication of customized experimental set-up for research work on Frost soils (Produced one PhD-2018-2023)

12. **Established Advanced Geotechnical Laboratory** by way of fabrication of customized experimental set-up for research work on Reconstituted soils (Produced M. Tech & B. Tech. Theses)

11. **Established Microbial Geotechnology Laboratory** by way of fabrication of customized experimental set-up for research work (Produced one PhD Thesis-2017-2021)

10. **Established Geotechnical Computational Laboratory** by way of upgradation of conventional Triaxial Equipments into electronic system and by procuring data acquisition system and research based softwares (Plaxis 3D, Flac 3D, GeoSuite, GEO5, Optimum) for analytical research work

9. Prepared up-to-date manual for Surveying Practicals for 3rd & 4th Semester students of Civil Engineering

8. Coordinator for Installation of computer Aided Soil Testing software "CASTeR" in computer lab., and introduction to students

7. Coordinator for Reactivation of old existing Triaxial equipments for conducting Lab. Practical classes by UG/PG students

6. P Coordinator for reparation of proposals for introduction of PG Program in Geotechnical Engineering under TEQIP.

5. Coordinator for Preparation of proposals for setting-up of CAD Lab. in Civil Engineering which has been approved.

4. Coordinator for Preparation of schemes for the up gradation and modernization of existing Labs. of Geotechnical Engineering Division under TEQIP-I.

3. Coordinator for Preparation of proposals for setting-up of CAD Lab. in Civil Engineering which has been approved.

2. Coordinator for Annual Report Preparation & General Information Compilation for Dept. of Civil Engineering

1. Coordinator for preparation of Time Table for Civil Engineering Deptt. (2002-2007, 2010-2018)

E: Administrative Duties Performed at Department & Institute Level

27. **Dean, Academic Affairs, NIT Srinagar since May 2025**
26. **Chairman**, Library and Information Resource Centre (**LIRC**), NIT Srinagar, **Jan. 2025 to June 2025**
25. **Dean, Planning & Development Wing NIT Srinagar from Jul. 2020-2022**
24. Member, **Senate Committee**, NIT Srinagar **since 2015**
23. **Head Geotechnical Engineering Division since Oct. 2018**
22. Member, Building and Works Committee (**BWC**), P&D, NIT Srinagar **from Jul. 2020-2022**
21. **Chairman,** Minor Works Committee, P&D, NIT Srinagar from **Jul. 2020-2022**
20. **Chairman,** House Allotment Committee, P&D, NIT Srinagar from **Jul. 2020-2022**
19. **Chairman,** DPC, Deptt. of Civil Engineering **since Nov. 2019**
18. **PG Coordinator**, Geotechnical Engineering Division from **Aug. 2014 to April 2022**
17. **Nodal Officer Finance-TEQIP-III** since 2017 (TEQIP-III: **2017-2021**)
16. **Environmental Coordinator-TEQIP-III** since 2017 (TEQIP-III: **2017-2021**)
15. **Chairman, DPC, P&D NIT** Srinagar from **Aug. 2015 to Nov. 2019**
14. **Dean Assoc. Planning & Development** Wing, NIT Srinagar from **Aug. 2015 to Nov. 2019**
13. **Executive Engineer**, P&D Division, NIT Srinagar from Sept. 2015 **Aug. 2015 to Nov. 2019**
12. **Estates Officer,** NIT Srinagar from **Aug. 2011 to Aug. 2015**
11. Member Departmental Grade Monitoring Committee **since 2015**
10. Member, Placement & Training Deptt, NIT Srinagar, from **2015-2017**
9. Member, Deptt. Purchase Committee **since 2012**
8. Member, Central Library Committee **from 2012 -2022**
7. Member, Contract Committee, P&D Wing, NIT Srinagar **from 2011-2022**
6. As a Time –Table coordinator, Deptt. of Civil Engineering from **2002-2003 & 2010-to 2019**
5. Officer Incharge, Computer Lab. of Civil Engineering (**2003-2006**)
4. Officer Incharge-CAD lab., Dept of Civil Engineering (**2006-2007**)
3. Officer Incharge-Geotechnical Engineering Laboratory, Dept of Civil Engineering (**2010-2014**)
2. Warden Student hostel (**1997-2000**)
1. **Coordinator** for upgradation of alumni record of civil engineering graduates (**2018-2020**)

F: Membership in Scientific and Professional Societies at National & International Level

Sr. No.	Name of Association / Society	Category	Membership No.
26	Life Fellowship Edwin Incorporation Inc., New Delhi, www.edwinepc.com	Fellow Member	F-D29670
25	Life Fellowship, AMIEE (AI-ML, Innovative Entrepreneurs, and Engineers) Association, India; **https://www.amiee.in/**	Life Fellowship	LF. AIMME# 202532
24	Lifetime **Royal Fellow**, International Organization for Academic and Scientific Development (IOASD)- Committed for Development in Academics and Research, HQ/Assam, India	Royal Fellowship	F. RIOASD#139/2024
23	Lifetime **Prime Member**, ABCD Index Geotechnical Engineering Chapter Region: Jammu & Kashmir, India	Life Member	LMP-ABCD#1030/2024
22	Advisory Member of International Society for Engineering Research and Development, www.iserd.co.	Advisory Member	AdM#ISD24832C/2024
21	**Honorary Fellow Member**, International Multidisciplinary Research Foundation Leading Research Organization in India & Abroad, Institute of Higher Education and Research (since 2021)	Honorary Fellow Member	HF. IMRF-21109
20	**SAS Eminent Fellow Membership (SEFM)"** of Scholars Academic and Scientific Society (Certificate No.: SAS/SEFM/083/2021).	Eminent Fellow (SEFM)	EF. SASS/083/2021
19	**Fellow Institute of Scholars (InSc), Bengaluru India.**	Life Fellowship	F. InSc20210CE4
18	Member, International Society for Soil Mechanics & Geotechnical Engg, ISSGE, UK (**Renewed 2022-2025**)	Member	IND22MISSGE-2072
17	Member, International Association of Engineers (IAENG2023)	Member	MIAENG- 209953
16	Member of VDGOOD Professional Association, Madurai, India	Member	M.VDSA2114
15	IEEE Geoscience and Remote Sensing Society (GRSS) New Delhi Section	Sr. Member	Sr. MIEEE#93336651
14	American Society of Civil Engineers (USA)	Member	M.ASCE#34243701
13	Indian Geotechnical Society, New Delhi	Life Member	LM.IGS- 002072
12	Indian Society for Technical Education, New Delhi	Life Member	LM. ISTE- 025706
11	Indian Society for Const. Materials & Structures, IIT Roorkee	Life Member	LM. ISCMS- 00539
10	Indian Society for Wind Engineering, IIT Roorkee	Life Member	LM. ISWE- 000242
09	Indian Concrete Institute, Channai	Life Member	LM.ICI- 005617
08	Institution of Engineers India, Calcutta	Life Member	LMIE- 124648/2
07	Institution of Engineers (I), India	Chartered Engineer	C.Eng. (I)- 81695/5
06	Indian Institute of Science Alumni Association, Bangalore	Life Member	LM. IISAA-185/00

05	Indian Society for Rock Mechanics & Tunnel Technology, IIT Roorkee	Life Member	LMISRMTT-1078
04	Indian Institute of Technology Bombay Alumni Association, Mumbai	Life Member	LM. IITB-CE1012
03	Senior Member, Universal Association of Civil and Structural Engineers (UACSE), Institute of Research Engineers & Doctors, USA	Sr. Member	SNM-1009945
02	Member, American Association for Science and Technology, USA	Member	M.AASCIT-1002939
01	Member, Institution of Civil Engineers (ICE), UK	Member	M.ICE-73747839

G: Selected Publications in (Referred SCI/SCIE/ESCI/SCOPUS indexed) International/National Journals (2010-2026)

72. Haji T. R. and Mir B. A. (2026). Core Geometry–Socket Strength Interaction Governing Load Transfer and Failure-Mode Transition in Stiffened Deep Cement Mixing Piles. Under preparation to be submitted to "Construction and Building Materials), © 2026 Elsevier Ltd.

71. Wani, A. A. And Mir B. A. (Mir). Geogrid-Reinforced Dredged Soil for Sustainable Flexible Pavements: Integrating CBR Enhancement, Pavement Design Optimization, and Economic Assessment. Under preparation to be submitted to "**Transportation Geotechnics",** © 2026 Elsevier Ltd.

70. Mirza M. I. and Mir B. A. (2026). Hydromechanical Performance of Brick Kiln Dust-Stabilized Silty Soil for Sustainable Transportation Infrastructure. **Manuscript ID: JPRT-D-26-00619.R1** under Review, International Journal of Pavement Research and Technology, © 2026 Springer Nature Switzerland AG. Part of Springer Nature,

69. Sabreena M., Mir B. A. and Wani K. M. N. S. (2026). Geosynthetic-Encased Granular Columns for Soft Soil Reinforcement: A Comprehensive Review. Innovative Infrastructure Solutions (2027) 12:9, © Springer Nature Switzerland AG 2026Published Online Nov. 22, 2026, **https://doi.org/10.1007/s41062-026-03038-6,** 1-33.

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4. Mir B. A. and Shah R. (2019). How Stiffness of Reinforcement Affects the Type of Major Reinforcement Force Developed at Various Orientations in Reinforced Sand? In Book: Advances in Geosynthetics Engineering. In M. Meguid et al. (Eds.): SUCI,. ©Springer Nature Switzerland AG 2019; © Springer International Publishing AG 2019; **ISBN: 978-3-030-01943-3/978-3-030-01944-0**; **https://doi.org/10.1007/978-3-030-01944-0_11,** Chp. 11, pp. 137–151.

3. Mir B. A. and Saba. A. (2019). Evaluation of Load-Settlement Behaviour of Square Model Footings Resting on Geogrid Reinforced Granular Soils. In Book: Advanced Research on Shallow Foundations. In H. Shehata and B. Das (Eds.): SUCI, © Springer International Publishing AG 2019; **ISBN: 978-3-030-01922-8/ 978-3-030-01923-5**; **https://doi.org/10.1007/978-3-030-01923-5_9,** Chp.9, pp. 103–126.

2. Mir B. A., Shah Basit M., and Shah Faizan A. (2018). Some Model Studies on Reinforced Dredged Soil for Sustainable Environment. In Book: Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions, Advances in Science, Technology & Innovation. In A. Kallel et al. (eds.), © Springer International Publishing AG 2018, **ISBN: 978-3-319-70547-7/ 978-3-319-70548-4**; **https://doi.org/10.1007/978-3-319-70548-4_494,** Chp No. 94, pp. 1697-1700.

1. Mir B. A. (2018). Some Studies on Mechanical Behavior of Cement Stabilized Dredged Soil from Flood Spill Channel of Jhelum River Srinagar. In Book: Contemporary Issues in Geoenvironmental Engineering, Sustainable Civil Infrastructures, In D.N. Singh and A. Galaa (eds.), © Springer International Publishing AG 2018; **ISBN: 978-3-319-61611-7/978-3-319-61612-4**; **https://doi.org/10.1007/978-3-319-61612-4_32**, Chp No. 32, pp. 386-406.

I: Selected Publications in (Referred Web of Science/SCOPUS indexed) International Conferences (2018-2026)

9. Rifahat M. and Mir. B. A. (2026). Freeze-Thaw Response of EICP-Stabilized Dredged Soil for Sustainable Ground Improvement Application. In Proceedings of the International Conference on Transportation Geotechnics and Sustainable Materials for Advanced Resilient Infrastructure (TG-SMART 2026), 8-10 October 2026, Integral University, Lucknow, Uttar Pradesh, India, Paper ID: 11, pp. 1-10.

8. Mir B. A. **(**2024**).** Physiochemical and Mechanical Behavior of Fly Ash for Stabilization of Marginal Soils for Sustainable Development. In Proceedings of the 7th International Conference on Civil Engineering for Sustainable Development (ICCESD 2024), 7~9 February 2024, KUET, Khulna, Bangladesh, Paper No. ICCESD 2024_1059, pp. 1-12.

7. Mir B. A. (2022). Soil Bioengineering: A Sustainable Ground Improvement Technique for Stabilization of Marginal Soils. In Procc. of 12th Int. Conf. on Geotechnique, Construction Materials & Environment, Bangkok, Thailand, 22-24 November 2022, ISBN: 978-4-909106087 C3051, Paper ID: g12k3, pp. 1-10.

6. Shah R. and Mir B. A. (2021). The Freezing Point of Soils and the Factors affecting its Depression. In Procc. of 1st International Conference on "Advances in Construction Materials and Management (ACMM 2021)" organized by the Department of Civil Engineering, SRM Institute of Science and Technology (SRMIST), Kattankulathur, Chennai, India, Paper ID: CE-357, March 25- 26, 2021 (**Best Paper Award: Book Chapter**), pp. 1-9.

5. Mir B. A. and Majid B. (2019). Experimental study of behavior of geosynthetic reinforced two-layer foundation system. In Procc. of 16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (16ARC: Oct. 14-18), Taipei, Taiwan. Paper ID: IGS-015, pp. 1-4.

4. Mir B. A. and Wani K. M. N. S. (2019). Laboratory Study on the Strength Parameters and the Micro-Structural Behavior of Bio-Cemented Dredged Soil. In Procc. of 2nd International Conference on Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering June 17-18, 2019 University of Illinois at Chicago, USA, © Springer International Publishing AG 2019, Paper ID: 014, pp. 1-12.

3. Mir B. A. (2019). Essence of In-situ soil testing for Geotechnical Site Characterization. In Procc. Of International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) Workshop on Ground Property Characterization from In-Situ Tests, Paper ID: TC-102, pp. 1-2.

2. Mir B. A. and Syed Mudasir Gulzar (2018). Improvement of the strength of subgrade of flexible pavements using geogrid. In Procc. of Int`l Conf. on Theoretical and Experimental Advances in Civil Engineering, (ICONTEACE 2018) May 10-12, 2018, SRM Institute of Science And Technology, SRM Nagar, Kattankulathur, Tamil Nadu, India,.Paper ID: A-259, pp. 1-10.

1. Mir B. A. and Reddy S. H. (2018). Applications of Nanometric Additives in Geotechnical Engineering. In Procc. of Int`l Conf. on Theoretical and Experimental Advances in Civil Engineering, (ICONTEACE 2018) May 10-12, 2018, SRM Institute of Science and Technology, SRM Nagar, Kattankulathur, Tamil Nadu, India, Paper ID: A-257, pp. 1-8.

J: Selected Publications in (Referred Web of Science/SCOPUS indexed) National Conferences (2018-2024)

13. Mir B. A. (2024). Recent Advances in Geotechnical Laboratory Testing under Theme: Geotechnical & Geophysical Investigation. In *Proceedings of* National Symposium on Recent Advances in Geotechnical Engineering (RAGE 2024) NIT Surat, June 7-8, 2024, pp. 1-18.

12. Mir B.A. and Shah R. (20123). Time Capsule Report on "TC 216 Frost Geotechnics". In *Proceedings of Indian Geotechnical Conference (IGC 2023), Dec. 14-16, 2023,* © International Society for Soil Mechanics and Geotechnical Engineering Technical Committee (ISSMGE TC), Chp-9, pp. 1-17.

11. Gul N., Mir B. A. and Wani K. M. N. S. (**2021**). Mechanical Behaviour of Silty Soil reinforced with Carbon Fibres. In *Proceedings of Indian Geotechnical Conference (IGC 2021),* GEOtechnics for Infrastructure Development and Innovative Applications, organized by IGS Trichy Chapter and NIT Tiruchirappali, TN, India, © Springer Nature Singapore Pte Ltd. 2021, Paper ID: TH-04-065, pp. 1-10.

10. Tehseena Ali and Mir B. A. (**2020**). Effect of Strain-Rate on Stress-Strain Behavior of Dredged Material at Different Moisture Contents – An Experimental Study. In *Proceedings of Indian Geotechnical Conference (IGC 2020),* Andhra University, Visakhapatnam, AP, India © Springer Nature Singapore Pte Ltd. 2020*,* © Springer Nature Singapore Pte Ltd. 2021, Paper ID: TH 11-002 pp. 1-10.

9. Sabreena M. and Mir B. A. (**2020**). Encased Granular Column as an Advancement over Ordinary Granular Column- A brief review. In *Proceedings of Indian Geotechnical Conference (IGC 2020), Andhra* University, Visakhapatnam, AP, India © Springer Nature Singapore Pte Ltd. 2020*,* Paper ID: TH 10-030, pp. 113-124.

8. Wani K. M. N. S., Mir B. A., Sheikh I. R. (**2020**). A Laboratory Study on the Effect of Pine Needles in Stabilizing Artificial Soils. In *Proceedings of Indian Geotechnical Conference (IGC 2020), Andhra* University, Visakhapatnam, AP, India © Springer Nature Singapore Pte Ltd. Dec. 17-19, 2020*,* Paper ID: TH 08-098, pp. 501-510.

7. Wani K. M. N. S., Mir B. A., Sheikh I. R. (**2020**). Stabilization of Artificial Soils using Waste Marble Dust. In *Proceedings of Indian Geotechnical Conference (IGC 2020), Andhra* University, Visakhapatnam, AP, India © Springer Nature Singapore Pte Ltd. 2020*,* Paper ID: TH 08-95,pp. 491-500.

6. Rakshanda Showkat, Mir B. A. and Wani K. M. N. S. **(2019).** A Laboratory Study on the Mechanical Behavior of Dredged Soil Admixed with Waste Rubber Tyre Powder and Cement. In *Proceedings of Indian Geotechnical Conference,* IGS Surat, India*, © Springer Nature Singapore Pte Ltd. 2019*, Paper ID: TH-03-252, pp. 1-9.

4. Rakshanda Showkat, Mir B. A. and Wani K. M. N. S. **(2019).** Physical and Mechanical Behavior of Dredged Soil acquired from Dal Lake-A Laboratory Study. In *Proceedings of Indian Geotechnical Conference,* IGS Surat, India, © *Springer Nature Singapore Pte Ltd. 2019,* Paper ID: TH-04-80, pp. 1-12.

3. Basit M and Mir B. A. **(2018).** Load-settlement behavior of surface footing on reinforced stiff soil layer overlying soft soil. In *Proceedings of Indian Geotechnical Conference 2018, December 13-15, 2018,* IGS Bangalore, India*,* © Springer International Publishing AG 2018, Vol. 1, Paper ID: TH-02-30, pp. 1-6.

2. Mir B. A. and Reddy H. S. **(2018).** Influence of nano-materials on compaction and strength behavior of clayey soils. In *Proceedings of Indian Geotechnical Conference 2018, December 13-15, 2018,* IGS Bangalore, India*,* © Springer International Publishing AG 2018, Vol.1, Paper ID: TH-01-37, pp. 1-10.

1. Mir B. A. and Wani K. M. N. S. **(2018).** Mechanical behavior of boulder crusher dust stabilized dredged soil. In *Proceedings of Indian Geotechnical Conference 2018, December 13-15, 2018,* IGS Bangalore, India*,* © Springer International Publishing AG 2018, Vol.1,Paper ID: TH-08-07, pp. 1-8.

K: Books Published/Edited (2021-2026)

6. Mir, B. A. (**Series Editor/Editor**). ***Advances in Building and construction in Civil Engineering: Innovation, Design and Applications*** *– Volume 6*,S3 IIP Series, 2026. Book Series Code: 109IIP2026S3_G1; Editor ID: IIPER1655185839, **© 2026** IIP Series.

5. Mir, B. A. (**Series Editor/Editor**). ***Futuristic Trends in Civil Engineering:****– Volume 6*, IIP Series, 2026. Book Series Code: 104IIP2026S1_G6; Editor ID: IIPER1655185839, **https://www.doi.org/10.58532/nbennurFTCEV6B1**, **© 2026** IIP Series.

4. Mir, B. A. (**Editor**). ***Futuristic Trends in Construction Materials & Civil Engineering***, Volume 3, Book 5, IIP Series, Iterative International Publishers (IIP), May 2024. e-ISBN: 978-93-5747-992-9. Book Series Code: IIPV3EBS05_G30; Editor ID: IIPER1655185839, **https://www.doi.org/10.58532/FTCMCEV3B5, © 2024** IIP Series.

3. Mir, B. A. (**Editor**). ***Futuristic Trends in Construction Materials & Civil Engineering***, Volume 2, Book 11, IIP Proceedings, Iterative International Publishers (IIP), 2022. e-ISBN: 978-93-5747-754-3; Print ISBN: 978-93-95632-98-0; DOI: 10.58532/FTCMCEV2B11. Editor ID: IIPER1655185839, **https://www.doi.org/10.58532/FTCMCEV2B11, © 2022** IIP Series.

2. Mir, B. A. (Author). ***Manual of Geotechnical Laboratory Soil Testing*** - published (Oct. 04, 2021) by CRC Press, Taylor & Francis Group, Boca Raton, USA, 1ST Edition **(© 2022**), **eBook ISBN: 9781003200260, https://doi.org/10.1201/9781003200260**, pp-414.

1. Mir, B. A. (Author). ***Fundamentals of Geotechnical Engineering in Theory and Practice*** - to be published by CRC Press, Taylor & Francis Group, under preparation.

L: Invited/Keynote/Theme Lectures Delivered in International Conferences/Workshops/Seminars/Symposiums etc.

28. Delivered **Keynote Lecture** on " Frontiers in Geotechnical Research and Innovation: **Advanced Laboratory Testing and Sustainable Stabilization of Marginal Soils for Resilient Infrastructure Development**" at the 50th International Conference on Frontiers in Research, Education &, Innovation (Nov. 21-23, 2026) on 21 November 2022, AIT Conference Centre, Bangkok, Thailand.

27. Delivered **Keynote Lecture** on "Soil Bio-Engineering: A Sustainable Ground Improvement Technique for Stabilization of Marginal Soils" at the 12th International Conference on Geotechnique, Construction Materials and Environment, 23 November 2022, Swissôtel Bangkok Rachada, Bangkok, Thailand.

26. Delivered **Keynote Lecture** on "Engineering Behavior of Soils" at the 7th Science and Technology Meet - ASTM2021 (Code: ST21EN07SN- 030: Theme: To Create Opportunities to Develop a New Culture to Drive Research and Innovation &Science and Technology Awards) organized by the Centre for Advanced Research and Design (CARD) of Venus International Foundation on Saturday 6th of November 2021 at Green Park Hotel Chennai, TN., India.

25. Delivered **International Webinar lecture** on "Research Methodology" organized by Universiti Teknologi Mara (UiTM), Malaysia, May 2020.

24. Delivered **Sub-Theme Lecture** on "Experimental Study of Behavior of Geosynthetic Reinforced Two Layer Foundation System" at the 16TH Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (16ARC-2019) on October 16, 2019 held at Taipei International Convention Center (TICC) in Taipei, Taiwan

23. Delivered **Sub-Theme Lecture** on "Laboratory Study on the Effect of Plastic Waste Additive on Shear Strength of Marginal Soil" at the International Conference on Sustainable Civil Engineering Practices (ICSCEP 2019) Organized by Chitkara University HP and Edith Cowan University (ECU) Australia on July 20, 2019 held at Chandigarh, India

22. Delivered **Invited Lecture** on "Evaluation of Load-Settlement Behaviour of Square Model Footings Resting on Geogrid Reinforced Granular Soils (PaperID #17-00766)" under Sub-Theme: "Geosynthetics and Reinforced Soil Retaining Structures" at the GeoMEast International Congress and Exhibition 2018 (GeoMEast 2018): "Sustainable Civil Infrastructure", Nov. 24-28, 2018, Marriott Mena House Hotel organized by Soil Structure Interaction Group in Egypt (SSIGE) Cairo, 11727, Egypt, Africa

21. Delivered **Invited Lecture** on "How Stiffness of Reinforcement affects the Type of Major Reinforcement Force Developed at various Orientations in Reinforced Sand? (Paper ID #00759" under Sub-Theme: "Innovation in Pavement analysis and Design" at the GeoMEast International Congress and Exhibition 2018 (GeoMEast 2018): "Sustainable Civil Infrastructure", Nov. 24-28, 2018, Marriott Mena House Hotel organized by Soil Structure Interaction Group in Egypt (SSIGE) Cairo, 11727, Egypt, Africa

20. Delivered **Sub-Theme** Lecture on "Applications of Nanometric Additives in Geotechnical Engineering" under Sub-Theme: "Innovation in pavement analysis &design" at the International Conference on Theoretical and Experimental Advances in Civil Engineering (ICONTEACE 2018) May 10th to 12th, 2018, Organized by Department of Civil Engineering, Srm Institute Of Science And Technology, SRM Nagar, Kattankulathur - 603 203, Kancheepuram District, Tamil Nadu, India

19. Delivered **Sub-Theme** Lecture on "Improvement of the Strength of Subgrade of Flexible Pavements Using Geogrid" under Sub-Theme: "Innovation in pavement analysis &design" at the International Conference on Theoretical and Experimental Advances in Civil Engineering (ICONTEACE 2018) May 10th to 12th, 2018, Organized by Department of Civil Engineering, Srm Institute Of Science And Technology, SRM Nagar, Kattankulathur - 603 203, Kancheepuram District, Tamil Nadu, India

18. Delivered **Keynote Lecture** on "Environmental Impact from Different Industries: Problems & Solutions" at the 1ST Euro-Mediterranean Conference for Environmental Integration (EMCEI-2017), Nov. 24, 2017, Tunsia.

17. Delivered **Keynote Lecture** on "Some Studies on Mechanical Behavior of Bottom ash for Sustainable Environment" at the 19th International Conference on Civil, Environmental and Geological Engineering to be held in London, United Kingdom during July 24, 2017 (**Received Certificate of Best Presentation Award**) London, UK.

16. Delivered **Invited Lecture** on "Some Studies on Mechanical Behavior of Stabilized Dredged Soil for Sustainable Environment" at the International Geotechnical Engineering Conference on Sustainability in Geotechnical Engineering Practices and Related Urban Issues, September 24, 2016, Mumbai, India

15. Delivered **Sub-Theme Lecture** on "Bottom Ash - As an Engineered Construction Material for Sustainable Environment" at the International Conference on Soil and Environment (ICSE-2016), 23rd July 2016, organized by IGS Bangalore Chapter and Deptt. of Civil Engineering, Indian Institute of Science (IISc), Bangalore, India

14. Delivered **Sub-Theme Lecture** on "Some Studies on the Behavior of Sugarcane Bagasse Ash Admixed Cement Stabilized Soil" at the International Conference on Soil and Environment (ICSE-2016), 23rd July, 2016, organized by IGS Bangalore Chapter and Deptt. of Civil Engineering, Indian Institute of Science (IISc), Bangalore, India

13. Delivered **Sub-Theme Lecture** on "Some Studies on the Mechanical and CBR Behavior of Campus Soil Admixed Dredged Soil" at the International Conference on Soil and Environment (ICSE-2016), 22nd July, 2016, organized by IGS Bangalore Chapter and Deptt. of Civil Engineering, Indian Institute of Science (IISc), Bangalore, India

12. Delivered **Keynote Lecture** on "Some Studies on Geotechnical Characterization of Dredged Soil for Sustainable Development of Dal Lake and Environmental Restoration" at the International Conference on Researches in Engineering & Technology (ICRET-2015), Bangkok, Thailand

11. Delivered **Keynote Lecture** on "Model Studies on SCP Reinforced Reconstituted Kaolin Clay" at the International Conf. on Advances in Engineering & Technology (ICAET-2014) organized by Institute of Engineers & Doctors (IRED) USA in India, May 2014.

10. Delivered **Keynote Lecture** on "Permeability and Consolidation Behavior of Composite Ground Reinforced With Sand Columns" at the Third International Conf. on Geotech., Const. Mat. & Env., Nagoya, Japan, 2013.

9. Delivered **Invited Lecture** on "Consolidation Behavior of Composite Ground Reinforced With Sand Columns". International Conference on Ground Improvement and Ground Control (ICGI 2012), Paper ID: 8140, University of Wollongong, Australia, 2012.

8. Delivered **Invited Lecture** on "Effect of smear on load capacity of sand Compaction piles" at the international symposium on ground improvement technologies and case histories (ISGI 2009), Singapore, 2009.

7. Delivered **Keynote Lecture** on "Characterization and Diversion Studies of Dredged Materials and Environmental Restoration". International Conference on Cleaner Technologies & Environmental Management (ICCTEM-2007) at the Pondicherry Engineering College Pillaichavadi, Pondicherry-605 014, India

6. Delivered **Invited Lecture** on "Smart Materials and Their Applications in Engineering-A Brief Overview" at the International Conference on Infrastructure Development on Expansive Soils (INDEX-2006), Feb. 02, 2006, Terzaghi`s Conference Hall, Erode-638 057, TN., India

5. Delivered **Keynote Lecture** on "Problems Associated with Expansive Soils and Stabilization Techniques" at the International Conference on Infrastructure Development on Expansive Soils (INDEX-2006), Feb. 01, 2006, Terzaghi`s Conference Hall, Erode-638 057, T.N., India

4. Delivered **Keynote Lecture** on "Geosynthetic Applications-As a lightweight Material in J&K: An overview" at the International Conference on Geosynthetics and Geoenvironmental Engineering, (ICGGE), Dec-2004, IIT Bombay Powai, Mumbai-400 076, India

3. Delivered **Invited Lecture** on "Slope/Landslide Failures in Road Construction and Proposed Stabilization Techniques in J&K" at the one day seminar organized by ASCE-IS & the institution of Civil engineers, UK.

2. Delivered **Invited Lecture** on "Fly Ash-As an Engineered Construction Material" at the International Conference on Construction Technology (CONTEC-2003), Universiti Malaysia Sabah, Malaysia (Oct-2003)

1. Delivered **Invited Lecture** on "Fly Ash-As an additive for stabilization of soils" at the International Workshop and Conference on Construction Management and Materials (CONMAT-2003), IIT Khargpur (Jan-2003).

M: Invited/Keynote/Theme Lectures Delivered in National Conferences/Workshops/Seminars/Symposiums etc.

26. Delivered **Invited Keynote Lecture** on "Recent Advances in Geotechnical Laboratory Testing under Theme: Geotechnical & Geophysical Investigation. In *Proceedings of* National Symposium on Recent Advances in Geotechnical Engineering (RAGE 2024) **June 7-8, 2024**, Organized by Indian Geotechnical Society Surat Chapter in association with Grimtech Projects (I) Pvt. Ltd. and Department of Civil Engineering, SVNIT Surat, Gj. India.

25. Delivered **Invited Lecture** on "Soil Bioengineering: A Sustainable Ground Improvement Technique for Stabilization of Marginal Soils" at the One Day Seminar on Advances in Geotechnical Engineering for Sustainable Development (AGESD 2023) organized by IGS Srinagar Chapter in Association with Department of Civil Engineering National Institute of Technology, Srinagar J&K-190006, April 10, 2023

24. Delivered **Invited Lecture** on "Role of Soil Science in Theory and Practice (Engineering Behavior of Soils: A Brief Review)" organized by Central Research Facility Centre, NIT Srinagar for SKUAST–Kashmir, March 02, 2023

23. Delivered **Theme/Special Lecture** on "Application of Bio-Engineering for Marginal Soil Reinforcement: An Eco-Sustainable and Eco-Friendly Ground Improvement Technique" at the Indian Geotechnical Society Annual Conference (IGC 2021) - GEOtechnics for "INfrastructure Development and Innovative Applications" December 18, 2021, organized by IGS Trichy Chapter and National Institute of Technology, Tiruchirappalli, TN, India NIT Trichy, TN., India.

22. Delivered **Keynote Lecture** on "Geotechnical Engineering in Theory and Practice: Need for Ground Improvement" at the Five Day Online Short Term Course on Advances in Geotechnical Engineering for Sustainable Development (AGESD-2020) organized by IGS Srinagar Chapter in Association with Department of Civil Engineering National Institute of Technology Srinagar J&K-190006, and Sponsored by NPIU, GOI under Teqip-3, 26-30, September 2020, NIT Srinagar

21. Delivered **Invited Lecture** on "On Role of Soil Engineering in Civil Engineering Practice" organized by SSM College Srinagar, 26, Oct. 2017

20. Delivered **Invited Lecture** on "Role of Soil Models for Geotechnical Engineering Practice & Applications" at the 5 Days Training Workshop on Computer Applications in Civil Engineering Organized by Department of Civil Engg. & IGS Srinagar Chapter in Association with M/S Ram Caddsys Pvt. Ltd., Chennai, July 03, 2017.

19. Delivered **Keynote Lecture** on "On Computer applications in Civil Engg Research work" at the 5 Days Training Workshop on Computer Applications in Civil Engineering Organized by Department of Civil Engg. & IGS Srinagar Chapter in Association with M/S Ram Caddsys Pvt. Ltd., Chennai, June 29, 2017

18. Delivered **Keynote Lecture** on "An Experimental Study on the Characterization and Behavior of Stabilized Dredged Soil from Flood Spill Channel of Jhelum River Srinagar. Invited Theme Lecture during the 50TH IGC-2015 on Expansive Soils, in Pune, Dec. 17, 2015

17. Delivered **Keynote Lecture** on "Geosynthetics Applications in Highway Construction in J & K: Sustainable Infrastructure Development" *(Granted Best Paper award).* Invited Lecture during *National Conference Geotechnical Engineering Practice and Sustainable Infrastructure Development*" GEPSID*"* held on October 11, 2014, by GNDEC Ludhiana, Punjab, India.

16. Delivered **Keynote Lecture** on Invited Lecture on "Role of Soil Science in Civil Engineering Practice" during Inspire internship Program sponsored by DST, GOI & organised by NIT Srinagar, March 2014.

15. Delivered **Keynote Lecture** on Invited Lecture on Invited Lecture on "Role of Geotechnical Engineering in Civil infrastructure & Development" Guest lecture, Baba Ghulam Shah Badshah University, Rajouri, J&K, Jan. 2014.

14. Delivered **Keynote Lecture** on "Experimental Study on the influence of Moulding Water Content on the Permeability Behaviour of Compacted Soil". *Indian Geotechnical Conference, IGC-2012, Delhi (Paper No.A-120)*

13. Delivered **Keynote Lecture** on "Geotechnical evaluation of dredged material from Dal Lake as a construction material". Golden Jubilee Indian Geotechnical Conference *(IGC-2011)*: Geochallenges, KUST, Kochi, Kerala.

12. Delivered **Keynote Lecture** on "Effects of Sand Compaction Pile Installation on Surrounding Soft Soil". *National Conference on Recent Advances in Ground Improvement Techniques* (RAGIT-2011).

11. Delivered **Keynote Lecture** on "Effect of granular stabilization on the California Bearing Ratio (CBR) behavior of clayey soils". *National Conference on Recent Advances in Ground Improvement Techniques* (RAGIT-2011)

10. Delivered **Keynote Lecture** on "Strength behavior of composite ground reinforced with sand columns". *Indian Geotechnical Conference* (*IGC-2010: GEOtrendz,* IIT Bombay, Mumbai

9. Delivered **Keynote Lecture** on *"*Effect of smear on consolidation of sand columns in soft clay sub-soils". *Indian Geotechnical Conference* (*IGC-2010): GEOtrendz,* IIT Bombay, Mumbai

8. Delivered **Keynote Lecture** on "Casual Factors and Remedial Measures for Landslides and Rockfalls Disturbing National Transportation System in J&K". *Silver Jubilee Conference Geotechnia* 2007: Geotechnical experiences and practices, CSMRS, New Delhi.

7. Delivered **Keynote Lecture** on "Effect of Cement with Lime on the Behavior of Clayey Silt". *Indian Geotechnical Conference, IGC 2006*, IIT Madras, Chennai.

6. Delivered Keynote Lecture on "Construction Problems & Solutions for foundations: A review". *National Conference on Civil Engineering: Meeting the Challenges of Tomorrow (CEMCT - 2006)*, GND College of Engg, Ludhiana (PB).

5. Delivered **Keynote Lecture** on "Stabilization Effects on Strength Behavior of Dredged Material". *National Conference on Corrective Engineering Practices in Troublesome Soils*, JNTU, Kakinada.

4. Delivered **Keynote Lecture** on "Lime Stabilization Effects on Geotechnical Properties of Dredged Material from Dal Lake in Srinagar". *Indian Geotechnical Conference*, IGC 2004, NIT Warangal (AP).

3. Delivered **Keynote Lecture** on "Effect of Fly ash on Geotechnical Properties of Soils". *National Symposium on Advances in Geotechnical Engineering* (NSAGE-2004), IISc Bangalore (July 2004)

2. Delivered **Keynote Lecture** on "Permeability behavior of Fly ash – BC Soil mixes". *Indian Geotechnical Conference,* IGC 2003, IIT Roorkee (UA).

1. Delivered **Keynote Lecture** on "Compaction behavior of Fly ash – BC Soil mixes". *Indian Geotechnical Conference*, IGC 2002, NIT Allahabad (UP).

N: Certificate of "Appreciation/ Excellence/ Achievement" Awarded:

33. President Indian Geotechnical Society (IGS) New Delhi **PROUDLY AWARDED Certificate of Appreciation to IGS Srinagar Chapter for organizing ISSMGE TC216 Activities during the Year 2023 under convenorship of** Prof. (Dr.) Bashir Ahmed Mir, Hon. Secretary IGS Srinagar Chapter.

32. IEEE Geoscience and Remote Sensing Society President (Mariko Burgin) PROUDLY AWARDED **Certificate of Recognition** to Dr. Bashir Ahmed Mir as a Senior Member in good standing, denoting a personal and professional commitment to the advancement of technology for the **Year 2023-24.**

31. Elsevier wishes to express its **Appreciation** to Prof. (Dr.) Bashir Ahmed Mir for his valuable contribution and outstanding performance as a **Potential Reviewer** for the Elsevier journals- Construction and Building Materials, Case Studies in Construction Materials, Journal of Environmental Management, Hybrid Advances, Materials Today Sustainability, Journal of King Saud University: Engineering Sciences, Soils and Foundations for the **Year 2023-24.**

30. SPRINGER NATURE wishes to express its Appreciation to Prof. (Dr.) Bashir Ahmed Mir for his valuable contribution and outstanding performance as a Potential Reviewer for the SPRINGER Journal -International Journal of Geosynthetics and Ground Engineering for the **Year 2023-24**. The editors thank you for your valuable contribution and your support is greatly appreciated.

29. Editor-in-Chief International Journal of GEOMATE (Japan) wishes to express its Appreciation to Prof. (Dr.) Bashir Ahmed Mir for his valuable contribution and outstanding performance as a Potential Reviewer for the International Journal of GEOMATE for the **Year 2023-24.**

28. Technical Editor in Chief Marine Georesources & Geotechnology **PROUDLY AWARDED Certificate of Expertise and Peer Review** to Professor Bashir Ahmed Mir, Professor & Distinguished Researcher in Geotechnical Engineering', Department of Civil Eng., NIT Srinagar J&K , India for his valuable contribution and outstanding performance as a REVIEWER for the SCI journal 'Marine Georesources and Geotechnology' (MG&G) for his expertise in Geotechnical Engineering for the **Year 2023.**

27. Hindawi wishes to express its **Appreciation** to Dr. Bashir Ahmed Mir for his valuable contribution and outstanding performance as a **Reviewer** for the Hindawi portfolio of journals for the **Year 2023-24**.

26. ABCD Index PROUDLY AWARDED Certificate of **Appreciation** to PROF. BASHIR AHMED MIR for his valuable contribution and outstanding performance as a **REVIEWER OF ABCD INDEXING** and Reviewing Journal Quality for **Year 2023-24** (Reviewer ID: 000-5 16- 195).

25. ISERD PROUDLY **PRESENTED** Certificate of **Appreciation** to PROF. (DR.) BASHIR AHMED MIR, for his valuable contribution and outstanding performance as an **Advisory Member** of the International Society for Engineering Research and Development, promoting International Education and University Co-operation on Jan. 30, 2024, www.iserd.co.

24. IASTEM **PROUDLY PRESENTED** Certificate of Appreciation to Dr. Bashir Ahmed Mir, for his valuable contribution and outstanding performance as **an Advisory Member** of the International Academy of Science, Technology, Engineering and Management, promoting International Education and University Co-operation on Jan. 20, 2024, www.iastem.org.

23. EMCEI Steering Committee wishes to express its **Appreciation** to Prof. Bashir Ahmed Mir for valuable contribution and outstanding performance as a **Session Chair** at the Euro-Mediterranean Conference for Environmental Integration (EMCEI-23), held in Rende (Cosenza), Italy, from 2 to 5 **October 2023**.

22. EMCEI Steering Committee wishes to express its **Appreciation** to Prof. (Dr.) Bashir Ahmed Mir for his valuable contribution and outstanding performance as a **Member of the Scientific Committee** of the 5th Euro-Mediterranean Conference for Environmental Integration (EMCEI 2023), held online, on **2–5 October 2023** at the University of Calabria (Rende, Italy), published by Springer, part of Springer Nature.

21. The Engineering Management Institute (RCEP Registered Cootinuing Education Provider) **PROUDLY PRESENTED Certificate of Completion** to Dr. Bashir Ahmed Mir for successfully completing [Schnabel] Soil Mix Pier Underpinning on August 16, 2023 organized by The Engineering Management Institute 50 East Ridgewood Ave 11129 Ridgewood, NJ 07450.

20. i-manager's Journal on Civil Engineering **PROUDLY PRESENTED** Certificate of Appreciation to Dr. Bashir Ahmed Mir In Recognition and Appreciation of his Valuable Service and Contribution as EDITORIAL BOARD MEMBER For the Year 2023.

19. EMCEI Steering Committee wishes to express its **Appreciation** to Prof. (Dr.) Bashir Ahmed Mir for his valuable contribution and outstanding performance as a Member of the Scientific Committee of the 4th Euro-Mediterranean Conference for Environmental Integration (EMCEI 2022), held online, on 1–4 November 2022 at the Barceló Concorde Green Park Palace,Port El Kantaoui, Sousse, Tunsis, published by Springer, published by Springer, part of Springer Nature.

18. TuRniP Innovations Pvt. Ltd. Kolkata, India Awarded "**Certificate of Achievement"** to Prof. (Dr.) Bashir Ahmed Mir, National Institute of Technology, Srinagar, INDIA for the 10-Day Patent Analytics Course (June 08, 2022 to June 17, 2022: Certificate No.: 907032, Dated: June 16, 2022) organized by Turnip Innovations and facilitated by Dr. Rahul Kapoor.

17. Chief Managing Editor of "Current Journal of Applied Science and Technology-2021" Awarded "**Certificate of Excellence** in Reviewing" to Prof. Bashir Ahmed Mir, National Institute of Technology, Srinagar, INDIA in recognition of an Outstanding Contribution to the quality of the Journal.

16. UltraTech Cement Ltd. **PROUDLY PRESENTED** Certificate of Appreciation to Dr. Bashir Ahmed Mir, as a **Panelist** in Panel Discussion on QA-QC Systems in Precast Construction on Nov. 27, 2021.

15. Chief Managing Editor of Journal of Material Science Research and Reviews-2021" Awarded "**Certificate of Excellence** in Reviewing" to Prof. Bashir Ahmed Mir, National Institute of Technology, Srinagar, INDIA in recognition of an Outstanding Contribution to the quality of the Journal, Date: 1-Oct-2021.

14. EMCEI Steering Committee wishes to express its Appreciation to Prof. (Dr.) Bashir Ahmed Mir for his valuable contribution and outstanding performance as a Member of the Scientific Committee of the 3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI 2021), held online, on 10–13 June 2021, published by Springer, part of Springer Nature.

13. NMAM Institute of Technology, presented Certificate of Appreciation to Prof. (Dr.) Bashir Ahmed Mir of National Institute of Technology Srinagar, J&K in gratitude for the outstanding contribution as a **Reviewer** in the International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS-2021) during 19th and 20th November, 2021 organized by the Department of Civil Engineering, N.M.A.M. Institute of Technology, Nitte, Karkala.

12. NMAM Institute of Technology, presented Certificate of Appreciation to Prof. (Dr.) Bashir Ahmed Mir of National Institute of Technology Srinagar, J&K in gratitude for the outstanding contribution as a **Chair of the Panel Session** in the International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS-2021) during 19th and 20th November, 2021 organized by the Department of Civil Engineering, N.M.A.M. Institute of Technology, Nitte, Karkala.

11. The Editors of "Journal of Environmental Management" (Elsevier) wishes to express its Appreciation to PROF BASHIR AHMED MIR in recognition of the excellent review services contributed to the journal since August 2021.

10. Department of Humanities, Social Sciences & Management, National Institute of Technology Srinagar wishes to express its Appreciation to Prof. (Dr.) Bashir Ahmed Mir in recognition to his invaluable guidance and support for organizing the International Conference on Contemporary Business Trends (ICCBT-2021) organized by the Department of Humanities, Social Sciences & Management on 16th-17th January 2021.

9. NIT Srinagar, Hazratbal, Srinagar, Kashmir presented Certificate of Appreciation to Dr. Bashir Ahmad Mir, Professor, in recognition of his contribution as the Coordinator of TEQIP-3 sponsored Five Day Online Short -Term Course on Advances in Geotechnical Engineering for Sustainable Development (AGESD-2020) held from 26th – 30th Sept. 2020 organized by IGS Srinagar Chapter in association with Deptt. of Civil Engineering, National Institute ofv Technology Srinagar.

8. NMAM Institute of Technology, presented Certificate of Appreciation to Prof. (Dr.) Bashir Ahmed Mir of National Institute of Technology Srinagar, J&K in gratitude for the outstanding contribution as a **Reviewer** in the International Conference (Virtual) on Civil Engineering Trends and Challenges for Sustainability (CTCS-2020) during 22nd and 23rd December, 2020 organized by the Department of Civil Engineering, N.M.A.M. Institute of Technology, Nitte, Karkala.

7. K. D. K. College of Engineering, Nagpur Maharashtra (India) wishes to express its Appreciation to Prof. (Dr.) Bashir Ahmed Mir, Faculty of National Institute of Technology Srinagar as Panelist in E – Expert Talk on "Modelling of Geotechnical Construction Processes on the Centrifuge: a Few Examples" by Dr. Ashish Juneja, Professor, IIT Bombay on Dated 29th June, 2020 organized by Department of Civil Engineering, in association with Indian Concrete Institute Nagpur Centre, ACC Cement and American Society of Civil Engineers Indian Section – Western Region, India.

6. The Editors of Journal of King Saud University – "Engineering Sciences" (Elsevier) wishes to express its Appreciation to PROF BASHIR AHMED MIR in recognition of the excellent review services contributed to the journal since June 2020.

5. Kerala Highway Research Institute (Kerala PWD) in association with Indian Institute of Technology Madras wishes to express its Appreciation to Prof. (Dr.) Bashir Ahmed Mir, Faculty of National Institute of Technology Srinagar as Panelist in E-Expert Talk on "Ground Improvement and Pavement Stabilization Techniques for Road Embankments on Soft Soil- 2" by Er. Minimol Korulla Head -Strategic Projects & Initiatives, Maccaferri on Dated 4th June, 2020.

4. Director of Training & Education, MIDRAS Research & Development Centre, India Awarded "**Certificate of Achievement"** to Prof. Bashir Ahmed Mir, National Institute of Technology, Srinagar, INDIA for the Short Course Numerical Solutions to Geotechnical Challenges (May 28, 2020 to June 12, 2020) organized by MIDAS Research & Development Centre, India.

3. Deputy reactor of Research & Industrial Linkages, Universiti Teknologi Mara (UiTM) Awarded Certificate of Appreciation to PROF. DR. BASHIR AHMED MIR, National Institute of Technology Srinagar (NIT), Srinagar, India in recognition of his contribution as Guest Speaker at the Universiti Teklogi Mara (UiTM) Cawangan Pahang Research Sharing Webinar Part 3/2020, May 15, 2020.

2. Chief Managing Editor of "Journal of Material Science Research and Reviews-2020" Awarded "**Certificate of Excellence** in Reviewing" to Prof. Bashir Ahmed Mir, National Institute of Technology, Srinagar, INDIA in recognition of an Outstanding Contribution to the quality of the Journal.

1. Springer, part of Springer Nature, wishes to express its Appreciation to Prof. (Dr.) Bashir Ahmed Mir for his valuable contribution and outstanding performance as a Member of the Scientific Committee of the 2nd Euro-Mediterranean Conference for Environmental Integration (EMCEI 2019), held in Sousse, Tunisia on 10–13 October 2019.

O: On Editorial Board of selected Journals:

9. **Appointed as Co-Editor of Geomechanics and Geoengineering** - An International Journal *(*SCIE) for **3 Year Term from Dec. 2023-2026**

8. On Review Board of Euro-Mediterranean Conference for Environmental Integration (EMCEI) since 2017, EMCEI gives a general and brief overview on current research focusing on emerging environmental issues and challenges and its applications to a variety of problems in the Euro-Mediterranean zone and surrounding regions, published by Springer, © Springer Nature.

7. Appointed as Editor/Reviewer of International Journal of GEOMATE (ESCI) - A Scientific International Journal on Geotechnique, Construction Materials and Environment, Japan (since 2016).

6. On Editorial Board of Advances in Sustainable Development- an international journal reflecting the theoretical and practical aspects of environment, economic and society with sustainability, published by Sanderman Publishing House 17917 Scarecrow Pl, Rowland Heights, CA 91748-4792, USA.

5. On Editorial Board of World Research Journal of Civil Engineering (WRJCE) is an International Journal publishing original Research Article, Editorial, Review Article, Rapid Communication, Case Report, Short Communications, Conference Proceedings, Special Issue Article, Mini Review, Annual Meeting Abstract, Letters, Observations with analysis and discussion, © 2009-2024, Bioinfo Publications.

4. On Editorial Board of Civil and Structural Engineering for World Academy of Science, Engineering and Technology (WASET) is an open science, peer reviewed, scholarly research journal that adheres to the highest standards of peer review, focusing on theories, methods and applications in science, engineering and technology, © World Academy of Science, Engineering and Technology.

3. On Editorial Board of Geology Geophysics and Earth Science- an open access and peer-reviewed international journal that publishes quality research in all aspects of Geology, Geophysics, Earth science, published by Sanderman Publishing House 17917 Scarecrow Pl, Rowland Heights, CA 91748-4792, USA.

2. On Editorial Board of i-Manager`s Journal on Civil Engineering- the knowledge mirror of the technological advancements around the globe, to the education community at large, © i-manager Publications, India.

1. On Editorial Board of World Journal of Engineering Research and Technology- an international peer reviewed, online bimonthly research journal, for the enhancement of research in various disciplines of Engineering and Technology, editor@wjert.org.

P: TPC/Editorial Member/Advisory Member of selected Conferences/Workshops/Symposiums:

21. **Nominated to represent Indian Geotechnical Society (IGS) India on the Scientific Committee of the 8th** International Symposium on Transportation Soil Engineering in Cold Regions (**TRANSOILCOLD 2027**) jointly sponsored by **TC202 (Transportation Geotechnics)** and **TC216 (Frost Geotechnics)** under the auspices of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) w. e.f. August 6–8, 2027 in China.
20. **Honoured as an Invited Speaker** at the **50th International Conference on Frontiers in Research, Education and Innovation**, hosted by Edwin INC in collaboration with Asian Institute of Technology (AIT) Bangkok, Thailand, scheduled for November 2026.
19. **Honoured to Serve as an Advisory Committee Member of TG-SMART 2026**—The International Conference on Transportation Geotechnics & Sustainable Materials for Advanced Resilient Infrastructure, hosted by Integral University, India (08–10 October 2026).
18. Nominated to represent Indian Geotechnical Society (IGS) on the International Technical Committee TC-216 on "Frost Geotechnics" of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for **the term 2026-2029**.
17. Nominated to represent Indian Geotechnical Society (IGS) on the International Technical Committee TC-216 on "Frost Geotechnics" of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for the term **2022-2025**.
16. 4th International Conference on Numerical Modeling in Engineering (NME 2021)
15. International Conference on Civil Engineering and Construction Technology (ICECon2021), Malaysia since 2021
14. 6th International Conference on Advances in Environment Research (ICAER 2020), Sapporo, Japan.
13. IRC Scientific and Technical Committee & Editorial Review Board on Geotechnical and Geological Engineering since Feb. 2020
12. International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS) since 2020.
11. As panelist for online Lecture on "Ground Improvement and Pavement Stabilization Techniques for Road Embankments on Soft Soils-2" organized by Kerala Highways Research Institute in association with IIT Madras on June 04, 2020.
10. The United Conference on Architecture, Design, Earth Sciences and Geography (ADESG 2017), China.
9. Euro-Mediterranean Conference for Environmental Integration (EMCEI) since 2017 (Received Certificate of Appreciation by Springer).
8. 4th International Conference on Geological and Civil Engineering (ICGCE 2017), Malaysia.
7. 5th International Conference on Civil Engineering and Urban Planning (CEUP 2016), China.
6. International Conference on Test, Measurement and Computational Method (TMCM2015)
5. International Scientific Committee and Editorial Review Board on Civil and Structural Engineering for World Academy of Science, Engineering and Technology since 2014
4. International Conference on Geotechnique, Construction Materials and Environment, (GEOMATE) Japan since 2013.
3. Editorial Perspectives on Science & Technology Journals, Taylor & Francis Group
2. Indian Geotechnical Conference (IGC) since 2003
1. Nominated to represent Indian Geotechnical Society (IGS) on the International Technical Committee TC-216 on "Frost Geotechnics" of the International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE) for the term 2018-2021.

Q: Selected Verified peer reviews - Journal list:

55. **Co-Editor,** Geomechanics and Geoengineering - An International Journal (Q2, SCIE-IF: 1.91, 3.8 (2023) CiteScore (Scopus)), © Informa UK Limited, Taylor & Francis Group, UK
54. International Journal of Construction and Building Materials (SCI: IF-7.693/Scopus: IF-7.582/ Q1, Elsevier)
53. International Journal of Materials today Sustainability (SCI-IF: 7.224/Q1, Elsevier)
52. International Journal of Environmental Management (SCI- IF: 6.789/Scopus: IF-8.626/ Q1, Elsevier)
51. Géotechnique (SCIE:IF-5.458/Scopus : IF-5.068/ Q1, ICE)
50. International Journal of Case Studies in Construction Materials (SCIE: IF-3.328/Scopus: IF-6.2 / Q1, Elsevier)
49. Journal of King Saud University - Engineering Sciences (ESCI/Scopus: IF-4.88/ Q1, Elsevier)
48. Journal of Scientific Reports (Q1, SCIE-IF: 4.379, Scopus-IF: 4.543), © Springer Nature Limited
47. International Journal of Water Science and Engineering (SCI: IF-4.0/Scopus: IF-4.314/ Q1, ScienceDirect)
46. International Journal of Transport Geotechnics (SCI: IF-4.938 /Scopus/Q1, Elsevier)
45. International Journal of Geotechnical Engineering (ESCI/Scopus: IF-4.565/ Q2, Taylor & Francis)
44. Results in Engineering (SCIE: IF-5.0/Scopus: IF-4.059/ Q2, Elsevier)
43. International Journal of Soils and Foundations (SCIE/Scopus: IF-3.70/ Q1, Elsevier)
42. journal Heliyon (SCIE/Scopus:IF-3.4/ Q1, CiteScore rank: 31, Elsevier)
41. International Journal of Geomechanics & Engineering (Q2, SCIE-IF: 3.22, Scopus-IF: 3.28), © Techno Press, South Korea
40. International Journal of Environmental Earth Sciences (Q2, SCIE-IF: 3.11, Scopus-IF: 3.1237), © Springer Nature Limited
39. Geotechnique Letters (SCIE: IF-2.462/Scopus: IF-2.111/ Q1, ICE)
38. International Journal of Geosynthetics and Ground Engineering (ESCI/Scopus: IF=2.9/ Q1, Springer Nature)
37. International Journal of Marine Georesources & Geotechnology (SCIE-IF: 2.673, Scopus-IF: 3.195, Q1, T&F Group)
36. Geomechanics and Geoengineering - An International Journal (Q2, SCIE-IF: 1.91, 3.8 (2023) CiteScore (Scopus)), © Informa UK Limited, Taylor & Francis Group, UK
35. International Journal of Science and Engineering of Composite Materials (Q2: WoS-IF =1.295, Scopus-IF= 1.789)
34. International Journal of Water Science and Engineering (ESCI: IF-…./Scopus: IF-4.314/ Q1, Elsevier)
33. International Journal of Geotechnical and Geological Engineering (SCIE/Scopus: IF-1.913/ Q1, Springer Nature)
32. Proceedings of the Institution of Civil Engineers - Ground Improvement (ESCI/Scopus: IF-1.345/ Q2, ICE)
31. International Journal of Hybrid Advances (SCIE/Q2, Elsevier)
30. Journal of Rock Mechanics and Geotechnical Engineering (ESCI/Scopus: IF-2.204 / Q2, Elsevier)

29. International Journal of GEOMATE (ESCI/Scopus: IF-0.925/ Q3, Springer Nature)
28. Australian Journal of Civil Engineering (ESCI/Scopus: IF-3.045/ Q2, Taylor & Francis)
27. International Journal of Engineering- Transactions C: Aspects (ESCI/Scopus: IF-1.141/ Q3, MERC
26. Indian Geotechnical Journal (ESCI/Scopus: IF-1.432/ Q2, Springer Nature)
25. Innovative Infrastructure Solutions (ESCI/Scopus: IF-2.848/ Q2, Springer Nature)
24. International Journal of Earth Science Informatics (Q2, SCIE-IF: 2.878, Scopus-IF: 2.976, © Springer Nature
23. Academia Letters (https://www.academia.edu/)
22. Journal of Engineering (JOE), The Institution of Engineering and Technology, Wiley online Library (WoS, Q2)
21. Global NEST Journal- Environmental Science and Technology, University of Aegean, Greece (Scopus, WoS, SCIE)
20. Journal of Materials Science Research and Reviews (ESCI/Scopus: IF-3.896/ Q1, OA Academic Press)
19. International Journal of Environmental Processes (ESCI/Scopus: IF-3.057/ Q2, Springer Nature)
18. International Journal of Advances in Civil Engineering (ESCI: IF-1.924/ Q2, Hindawi Publishing Corporation)
17. Arabian Journal of Geosciences (ESCI: IF-1.827/Scopus: IF-2.007/ Q2, Springer Nature)
16. International Journal of Environmental Management (SCIE: IF-3.664/Scopus/Q2, Springer Nature)
15. International Journal of Physics and Chemistry of the Earth (ESCI: IF-3.311 /Scopus: IF-3.575 / Q2, Elsevier)
14. Current Journal of Applied Science and Technology (ESCI /Scopus: IF-…. / Q4, SCIENCEDOMAIN international)
13. International Journal of Civil Engineering (SCIE: IF-2.081/Scopus: IF-2.392/ Q2, Springer Nature)
12. International Journal of Environment and Waste Management (ESCI/Scopus: IF-0.784/ Q4, Inderscience)
11. Iranian Journal of Science and Technology, Transactions of Civil Engineering (ESCI:IF-1.465/Scopus: IF-1.786/ Q3, Springer Nature)
10. Journal of Hazardous, Toxic, and Radioactive Waste (SCIE/Scopus: IF-2.442/Scopus/ Q2, ASCE)
9. Journal of Engineering Science and Technology Q3, ESCI-CiteScore: 1.2, Scopus) © School of Engineering. Taylor's University
8. International Journal of Cement (ESCI/Scopus: IF-….. / Q?, Elsevier)
7. International Journal of Transportation Infrastructure Geotechnology (ESCI: IF-2.081/Scopus: IF-1.596/ Q1, Springer Nature)
6. Open Engineering, formerly Central European Journal of Engineering (IF-0.209 /Scopus/Q3, Walter de Gruyter)
5. i-Manager`s Journal of Civil Engineering (Global IF: 0.897 /UGC, iManager Publications)
4. World Research Journal of Civil Engineering (Google Scholar, IF-4.93, Bioinfo Publications)
3. Journal of Pure and Applied Microbiology ((ESCI/Scopus: IF-1.053/ Q3, JPAM)
2. Vietnam Journal of Science, Technology and Engineering (SJR:0.13/ Q4, Vietnam Journal of Science)
1. Sustainable Civil Infrastructures, © 2023 Springer Nature Switzerland AG. Part of Springer Nature

R: Conferences/Short-Term Courses/Seminars Organized

8. **As Convenor** organizing a one-day symposium, "**Indian Nuclear Power Program: Evolution, Present & the Way Forward**." on **15 April 2024** organized by IGS Srinagar Chapter in association with Deptt. Of Civil Engineering and sponsored by NIT Srinagar and Indian Nuclear Society, India.
7. **As Convenor** for organizing Five-day **ISMGE TC216 Workshop** on **"Advancements in Geotechnical and Foundation Engineering for Difficult Ground Conditions (AGFEDGC-2023)"** w.e.f. July 26-30, and Sponsored by M/S Heico New Delhi, M/s Aimil (P) Ltd. New Delhi, M/S Maccaferri India & NIT Srinagaar.
6. **As Convener/Organizing Secretary** for organizing One Day Seminar on Advances in Geotechnical Engineering for Sustainable Development (AGESD-2023), 10 April 2023
5. **As Convenor/Organizing Secretary** for organizing Five day Online Short-Term Course on Advances In Geotechnical Engineering For Sustainable Development (AGESD-2020) Sponsored by TEQIP-3, w.e.f. September 26-30, 2020.
4. **As Convenor/Organizing Secretary** for organizing 5 days training workshop on Computer Applications in Civil Engg, June 29-July 03, 2017.
3. **As a core committee member** for organizing 5-day INSPIRE Internships sponsored by DST, GOI, from 2012 to 2014
2. **As Organizing member** for conduct of one day Seminar on "Chemistry: Our life, our future" by Dept. of Chemistry, NIT Srinagar on 15TH Nov., 2011.
1. **On Editorial Board** for conduct of 30TH Convention-Cum-National Conference of Society for Information Science (SIS) on "Creativity, Innovation and Entrepreneurship; Use of Information as a Tool" (September 27-29, 2013) by NIT Srinagar.

S: Short-term Courses/Workshops/Seminars attended-(2010 – 2024)

13. 5 Day Workshop on **"Driving Towards Safety: Safe Driving Practices in India"** (UN Global Road Safety week -2024) Organized by National Service Scheme (NSS) in Collaboration with Civil Engineering Department NIT Srinagar from 14Th to 18Th **May 2024**.
12. Webinar Series on "**Advances in Geotechnical Engineering**" Organized by Department of Civil Engineering, JUIT, Solan, H.P., India & Indian Geotechnical Society (IGS), Shimla Chapter from 30Th April to 4Th **May 2024**.
11. One week online Short-Term Course on "**Sustainable Advancement in Structural and Transportation Engineering**" Organized by Department of Civil Engineering Dr. B. R. Ambedkar National Institute of Technology, Jalandhar Pb., India from 11th -15th **March 2024**.
10. **One – day** Symposium "**IEEE Authorship and Open Access Symposium: Tips and Best Practices to Get Published from IEEE Editors**" organized by IEEE Advancing Technology for Humanity IEEE Client Services on August 31, **2023**
9. **1 week/2 week/1 Day/2 Day/3 Day** online webinars/conferences/workshops attended since 2019-2021
8. **One- week** training workshop on Computer Applications in Civil Engg., NIT Srinagar, June 29-July 03, 2017.
7. **One – Week** AICTE-QIP Sponsored Short-Term Course on "Advances in Geotechnical Engineering" at Indian Institute of Technology, Bombay, Mumbai (May 11-15,2015).
6. **One – day** NME-ICT Awareness Workshop organized by NIT Srinagar and Sponsored by MHRD, Govt. of India on June 18, 2013
5. **One - day** Workshop on "PRISM" & Technopreneurship organized by TePP Outreach Centre, Univ of Kashmir & Mech. Engg Dept NIT Srinagar on 13TH Oct. 2012.
4. **One - day** Workshop on Role of Mathematics in Science, Engineering and Technology organized by Dept of Math, NIT Srinagar on 26TH March 2012
3. **One – Week** AICTE-QIP Sponsored Short-Term Course on "Advanced Foundation Engineering" at Indian Institute of Technology, Bombay, Mumbai (June 20-24, 2011).
2. **One – Week** AICTE-QIP Sponsored Short-Term Course on "Advances in Geotechnical Engineering" at Indian Institute of Technology, Bombay, Mumbai (April 12-16, 2010).
1. **One – Week** AICTE-QIP Sponsored Short-Term Course on "Recent Trends in Geotechnical Investigations for Urban and Infrastructure Development" at Indian Institute of Technology, Bombay, Mumbai (March 15-19, 2010).

T: Selected Consultancy Sponsored Research Activities Handled

Sr. No.	YEAR	ORGANISATION/CLIENT	PROJECT(S)/CONSULTANCY WORK(S)*
		To be updated……..	
130		Chief Engineer, CPWD, AIIMS Campus Awantipora, Pulwama, J&K	Technical Assessment and Engineering Recommendations for Slope Stabilization of Steep Slopes at the AIIMS Campus, Awantipora, Pulwama, J&K.
139		The Superintending Engineer PMGSY Batote (Chenab Valley), Ramban, J&K	Technical Assessment, Vetting, and Inspection of Detailed Project Reports (DPRs) for Four Proposed Long-Span Bridges (LBS) under PMGSY-IV, Batch-II, PMGSY Division Ramban, Ramban Block, District Ramban, J&K
128		The Superintending Engineer PMGSY Batote (Chenab Valley), Ramban, J&K	Technical Assessment, Vetting, and Inspection of Detailed Project Reports (DPRs) for Two Proposed Long-Span Bridges (LBS) under PMGSY-IV, Batch-II, PMGSY Division Banihal, Khari Block, District Ramban, J&K
127		The Superintending Engineer PMGSY Batote (Chenab Valley), Ramban, J&K	Technical Assessment, Vetting, and Inspection of Detailed Project Reports (DPRs) for Two Proposed Long-Span Bridges (LBS) under PMGSY-IV, Batch-II, PMGSY Division Banihal, Ramsoo Block, District Ramban, J&K
126		The Superintending Engineer PMGSY Batote (Chenab Valley), Ramban, J&K	Technical Assessment, Vetting, and Inspection of Detailed Project Reports (DPRs) for Two Proposed Long-Span Bridges (LBS) under PMGSY-IV, Batch-II, PMGSY Division Banihal, Ukheral Block, District Ramban, J&K
125		The Superintending Engineer PMGSY Batote (Chenab Valley), Ramban, J&K	Technical Assessment, Vetting, and Inspection of Detailed Project Reports (DPRs) for Three Proposed Long-Span Bridges (LBS) under PMGSY-IV, Batch-II, PMGSY Division Banihal, Banihal Block, District Ramban, J&K
124	2026-27	Executive Engineer S&D Division 1st UEED Srinagar, J&K	Load Testing and Performance Evaluation of Stone Columns for the 2.5 MLD Sewage Treatment Plant (STP) at Chattabal, Srinagar, J&K.
123		M/S SIMA Aquatech (JV) Engineering Division Srinagar, J&K	Technical Supervision of Plate Load Tests and Dynamic Cone Penetration Tests (DCPT) for Soil Investigation at DG-1, DG-2, and Chuntkal Sites
122		Executive Engineer Jal Shakti (PHE) Ground Water Division Tral, Pulwama, J&K	Expert Technical Assessment and Advisory Report on Permanent Hydrogeological Sealing of the Active Artesian Blowout and Ground Collapse at Buchoo, Tral, J&K.
121		Executive Engineer Lolab Kupwara, Kashmir, J&K	Technical Consultancy for the Restoration and Rehabilitation of Shumriyal Bridge, Lolab, Kupwara, J&K
120		M/S JK Material Test House Infra const. Pvt. Ltd.	Technical Vetting Report on the Geotechnical Soil Investigation for M/S JK Material Test House Infra const. Pvt. Ltd.
119		Executive Engineer UEED, Srinagar, J&K.	Technical Vetting Report on the Initial Load Test of Vibro Stone Columns Installed by Keller Ground Engineering, Shalimar Srinagar, J&K
118		Executive Engineer R&B Division Lolab Kupwara, Kashmir, J&K	Geotechnical and Structural Engineering Assessment for the Proposed Construction of a First Floor over the Existing Ground Floor at Lolab, Kupwara, Kashmir, J&K
117		M/S Shahid Nazir Khan, SIDCO Srinagar, J&K.	Geotechnical Investigation and Performance Testing of Non-Gusseted Bags
116		M/S Baba Industries Khonmoh, Srinagar, J&K	Geotechnical Investigation and Testing of Woven Synthetic Bags for Geosynthetic Material Characterization and Performance Evaluation, Khonmoh, Srinagar, J&K
115		M/S Zahoor Ahmad Pvt. Ltd., Srinagar, J&K	Technical Vetting of the Geotechnical Investigation Report for the Addition/Alteration (ADDN/ALTN) of the Blast Pen at Air Force Station, Srinagar, Jammu & Kashmir
114	2025-26	Executive Engineer Ganderbal, Kashmir, J&K	Third-Party Verification of Natural Surface Level (NSL) and Finished Surface Level (FSL) for Dredging Works at Manasbal Lake, Ganderbal, Kashmir, J&K
113		Executive Engineer R&B Safapora Ganderbal, Kashmir, J&K	Geotechnical Investigation and Suitability Assessment of Good Earth for Fishpond Construction
112		Assistant Executive Engineer PWD (R&B) Sub. Division Handwara, Kupwara J&K	Comprehensive Geotechnical & Seismic Investigation for GMC Handwara at Nutnussua Kupwara, Kashmir, J&K
111		M/S Deputy General (Manager (Civil) - NHPC Limited	Geotechnical Investigation for Construction of Tulbul Navigation Lock Project Nangle Sopore Barmulla, J&K
110		The Superintending Engineer (Hydraulic Circle, Ganderbal) Srinagar Jammu & Kashmir	Geotechnical Investigation for Construction of OHT at Tail end of distribution with complete electromechanical system (1 Lac Gallons capacity) under AMRUT- 2.0 Jawahar Nagar, Srinagar
109		M/S JK Mineral Test House Infrascon and Consultancy Pvt. Ltd.	Vetting of Geotechnical Investigation Report for construction of various Civil Construction works
108	2024-25	M/S Sabeel Ahmad Magray Pvt Ltd.	Geotechnical Investigation and Engineering Assessment for Sports Field Development Behind the Dining Block, Western Boundary Retention Measures, and Surface Erosion Protection Works for Hostel Blocks at IIT Jammu
107		Executive Engineer, PMGSY Division Ganderbal, Kashmir, J&K	Geotechnical Investigation for development of Road from Saidpora to Krishibal Sangam Under Package JK13/3010 Stage PMGSY-IV
106		M/S JSW Foundation Corporation, Bandra Complex Mumbai	Ground Penetrating Radar (GPR) Survey, Investigation and Technical Report for the Proposed Construction of the Golf Course at Shalimar Garden, Srinagar, Kashmir, Jammu & Kashmir
105		M/S AWAJ Infra Engineering Solutions Barsoo, Awantipora, Jammu and Kashmir C/O Executive Engineer, Trans. Line Maintt. Divn. VIII	Soil investigation report of 132kV LILO for proposed GIS Sumbal from 132kV S/C USHP-I-USHP-II Transmission line at Harriganiwan, Kangan, Ganderbal, Kashmir Carried out through M/S RIPL-SAC (JV), H/O Chandigarh for The Executive Engineer

		Srinagar, J&K	TL Maintt. Division-VIII, Srinagar, Kashmir
104		M/S RIPL-SAC (JV), H/O Chandigarh, India	Soil investigation report for Development of Existing 2 Lane NH-1 from Km 8.660 to Km 33.775 (Sumbal to Wayul) to 4 Lane Dual Carriageway NH Standard as Part of Srinagar Ring Road Phase-II
103		M/S Dreams Structural and Geotechnical Consultants, Dreams House 6, Botshah colony, lane no-Lt, Lalbazar-Srinagar	Vetting of Geotechnical Investigation Report for Construction of Slow Sand Filtration Plant at Rezan in District Ganderbal Kashmir
102	2023-24	M/S S. L. Road Construction (JV) Athwajan, Srinagar, Kashmir, J&K	Test Report for construction of four lane road to AIIMS at Awantipora Pulwama, Kashmir, J&K
101		Indian Institute of Technology Jammu, J&K	Vetting of Geotechnical Investigation Report for Construction of various civil engineering infrastructures at IIT Jammu campus, IIT Jammu, J&K
101		M/s Executive Engineer Trans Line Maintenance Div, VIII Srinagar	Vetting Report – Soil Investigation of 132KV LILO for proposed GIS Sumbal Transmission line at Harriganniwan Kangan, Ganderbal Kashmir
100		DGM, (Tech) Projector Director, NHAI, Project implementation unit, Srinagar, Kashmir, J&K	Test Report for construction of four lane road/bypass around Srinagar city under Bharatmala Pariyojana on EPC mode
99		Project Manager (EOC) J&K ERA Kashmir, J&K	Test Report for construction of control building for housing of emergency operation centre and SCADA system at Ompora Budgam
98		M/S Patron Khanqah-E-Hydari Aliabad Grtendwan Aishmuqam Anantnag, Kashmir, J&K	Test Report on testing of soil for construction of Khanqah at Aliabad Grtendwan Aishmuqam Anantnag, Kashmir
97		Executive Engineer (R&B) Divn. Handwara, Kupwara, Kashmir, J&K	Test Report for construction of road (using quarry muck) from Handwara to Bangus phase-2
96	2022-23	Executive Engineer, CPWD NIT Campus Hazratbal Srinagar (J&K)	Wetting of Soil testing Report (Seismic Analysis of Foundation System) for Construction of Mega hostel at NIT Srinagar
95		M/S Tatna Infrastructure Projects Pvt Ltd, Hyderabad	Site investigation for Construction of high-altitude hill Road to Indo-China Border from Hena to ITBP post Hena, Ladakh
94		Managing Director, Classic Construction Company Srinagar	Site investigation for Construction of 0.25Lacs gallon capacity OHT of shell type with staging height of 20m at Gulabwari WSS Sadatpora Naidkhai
93		Managing Director, Classic Construction Company Srinagar	Site investigation for Construction of 0.40Lacs gallon capacity OHT of shell type with staging height of 20m at Maidanpora Sadatpora Naidkhai
92		M/S JK Construction Co. Regal Chowk Srinagar	Site investigation for Construction of non-motorable walkway around Wular lake from Banyari bridge to Naaz nallah
91		Sr. Superintendent of Police, ACB, Baramulla, Kashmir, J&K	Test Report for Sieve Analysis of Fine Aggregates Collected at the Site-Khalsar Junction (Dolma Thang) Tehsil District Nubra, Leh Ladakh"
90		Chief Sanitation Officer, Municipal cooperation Srinagar.	1. Bio- remediation/ bio-minnig of legacy waste dumped at its garbage dumping site Achan, srinagar. 2. Topo Survey of Dumping Site 400/Kanal
89		Executive Engineer Lake Conservation and Management authority Srinagar.	Soil Investigation for construction of pedestrian Overhead culvert and waterway for movement of Aquatic machines, on NPL Bund, near PHE pumping station, Nishaat, Srinagar.
88		District Nodal Officer c/o Registrar cooperative societies Bemina Srinagar J&K	Bearing capacity of soil of the two storied existing cooperative office complex at SDA colony Bemina Srinagar.
87		Executive Engineer PMGSY Div. Budgam, Kashmir, J&K	Laboratory testing of soil samples & suggestions for stabilization of sliding locations on Chadoora to Branwar Road.
86		Executive Engineer Royal Spring Golf course Srinagar.	Conduction of field tests of sand at Royal Spring Golf Course
85	2021-22	Central University of Kashmir, Ganderbal, J&K, Ministry of Education, Govt of India	Foundation investigation and Design for construction of buildings at Central University of Kashmir, Ganderbal, J&K.
84		Deputy Project Manager (T) J&K ERA Kashmir.	CBR Testing for fill material around Brari Nambal Lagoon by way of Rigid Pavement.
83		Executive Engineer. Jal Shakti Deptt. J&K	Vetting of soil report for construction of 0.24 MGD capacity rapid sand filtration plant at Baramulla.
82		M/S Hassan Road Const Company Pvt. Ltd.	Conduct of Maximum dry density test of samples collected at Peerbagh Humhama for construction of drainage network.
81		Sr. Aquaculture Engineer (AEE) Fisheries Deptt. Srinagar (J&K)	Geotechnical investigation and determination of dry density of compacted earth fill for construction of earthen brooder pond at national fish seed farm, mansbal
80		M/S Project Manager United Jehlum Road & Roof Builders Sudi Sheikh Complex Melthan By-Pass Nowgam Sgr.	Determination of CBR values of samples of intermediate lane of NH-301 Kargil zanaskar road
79	2020-21	PMGSY Pattan, Baramulla, Kashmir	Test report of quarry sample to be used as G.S.B. for Const. of road at Takia Magam to Patti Magam stage II
78		Asstt. Ex. Engineer Rakh-i-Arth Sub.Div LEDA Sgr.	Test report of soil investigation for earth filling of Bay No.5 Section No: E at Rakhiarth Housing Colony, Bemina

77		Asstt. Ex. Engineer Sub.Div Sgr, J&K sports Council	Test report of soil testing for Const. of synthetic Rugby & Hockey field at Polo ground Sgr.
76		Project Manager J&k ERA	Determination of CBR Test vales for road construction at Brari Nambal Lagoon report of soil testing.
75		Ex. Engineer Const. Div. Leh.	Conduct of permeability test of clay or amended soil with clay.
74		Ex. Engineer IFC Division Srinagar, J&K	Soil testing of soil for embankment at Shivpora and Stabilization of Right side of embankment of Jehlum at Shivpora.
73	2019	Chief Engineer, PMGSY, Jammu & Kashmir	Soil testing carried out on soil samples for construction of roads in Jammu & Kashmir.
72		M/S Executive Engineer Irrigation & Flood Control Deptt. Shopian, Kashmir.	Subsoil Investigation and bearing capacity at Nickloora site for construction of foundation for lift irrigation system.
71		M/S Power Grid Corporation of India Ltd., Nowshera Srinagar	Investigation on the bearing capacity using Plate load test for building construction.
70		M/S Assistant Executive Engineer Rehabilitation Sub Division LAWDA Srinagar	Soil Investigation for building construction.
69		M/S Executive Engineer (Civil) 32, Boarder Roads Task Force 56 APO	Soil testing carried out on soil samples for construction of roads.
68		M/S Prince Construction Harnag Anantnag Kashmir.	Investigation on quarry samples to be used as GSB for construction of road.
67	2018	Srinagar-Sonamarg Tunnel Project, IL&FS Transportation Networks ltd, Site office: Ganderbal, Srinagar, J&K	Soil Investigation for const. operation and maintenance of Z-Morh Tunnel Sonamarg, Kashmir
66		M/S Rural Development Department, Kupwara Kashmir	Soil investigation for construction of water reservoir at Tangcheck, Sogham, Lolab Kupwara, Kashmir.
65	2017	Power Grid Corporation of India Ltd., Wagoora, Kashmir	Foundation design for filled-up Tower Equipments at Wagoora, Kashmir
64		M/S National Building Construction Corporation Ltd. Central Univ. Ganderbal Kashmir	Soil investigation for building construction: Phase-II
63		Cancer Society of Kashmir, Chanpora Srinagar, Kashmir	Soil investigation for construction of Cancer Hospital at Ahmadnagar, Srinagar, Kashmir
62	2016	J&K Lakes & Waterways Development Authority, Division 1ST Srinagar	Pavement design for roads @ Rakh-i-Arth Bemina Srinagar, Kashmir
61		Member Secretary, ITI Lagama, Uri, Kashmir	Soil investigation for construction of Buildings for ITI complex, Lagama, Uri, Kashmir
60		M/S Executive Engineer Irrigation & Flood Control Deptt. Tangmarg, Kashmir	Soil treatment to avoid landslide at Qazipora Tangmarg, Kashmir
59		M/S Feadback infrastructure Pvt Ltd., Kargil	Pavement design for roads at Kargil, Ladakh
58		Chief Engineer, PMGSY, Kashmir	Material testing and pavement design for various roads under PMGSY in Kashmir Division
57		M/S National Building Construction Corporation Ltd. Central Univ. Ganderbal Kashmir	Soil investigation for building construction: Phase-I
56	2015	J&K State Board of School Education, Srinagar, JK	Pile load testing for Const. of Column Structures at Rakh-i-Earth Bemina, Srinagar
55		M/S S&D Const. Co. Pvt Ltd, J&K	Foundation design for const. of transmission Towers, Kashmir.
54	2014	HQ Chief Engineer, 31 zone, pin-914631 C/O 56APO	Foundation design for Provn of OTM ACCN for Compo PL at Chowkibal, Kupwara, Kashmir.
53		MES, GE 970 EWS C/O 56 APO	Foundation design for Construction of OTM Accommodation for field workshop at Pattan, Baramulla, Kashmir
52		Jammu an Kashmir Police housing Corporation, Srinagar.	Foundation design for Construction of Additional block for Hospital at Tangmarg, Baramulla, Kashmir
51		MES, GE 970 EWS C/O 56 APO	Foundation design for Construction of AC MSL shed at 21 FAD Khundru, Anantnag, Kashmir
50	2013	MES C/O 56 APO, Awantipura, Kashmir.	Foundation design for const of buildings at Awantipura for MES Awantipura, Kashmir
49		M/S Tariq Ahmad Lone Pvt. Ltd., Srinagar	Foundation design for Construction of Automobile Show Room at Lasjan Byepass Srinagar Kashmir
48		HQ Chief Engineer, MES, 31 Zone, Pin-914631, C/O 56 APO	Foundation design for Construction of Foundations for Provn of Building, MES at Pattan, Baramulla, Kashmir, J&K
47		HQ Chief Engineer, MES, 31 Zone, Pin-914631, C/O 56 APO	Foundation design for Construction of foundations for electric network for MES services at Khumbathang, Kargil, J&K.
46		M/S Valley Star Enterprises, Pvt. Ltd., Srinagar,	Foundation design for construction of New Retail Out-Let of Bharat Petroleum

		J&K	Corporation Limited at Sarai Dangarpora Sumbal, Kashmir.
45	2012	M/S Power Grid Corp. India, Srinagar	Foundation design for const. of buildings for Power Grid Corp. of India at Srinagar
44		ERA, J&K Govt, Srinagar, Kashmir J&K	Geotechnical Investigation for drainage design for Srinagar city
43		M/S HCC Pvt Ltd	Soil Investigation for const of four-lane Road Project in Kashmir Division, J&K
42		LAWDA Srinagar, Govt of J&K	Soil Investigation for const. of residential plots in Bemina, Srinagar, Kashmir
41		M/S Ircon Int`l Pvt. Ltd, New Delhi	Characterization of soil for const. of Railwayline in J&K
40	2011	Executive Engineer, R&B Const. Divn. No. I, Srinagar, J&K	Test Report on Tar Material for Upgradation of Gali Kadal Zonimar Road, Srinagar, Kashmir, J&K.
39		M/S Irshad Ahmad Khan, Pvt. Ltd, Baramulla, Kashmir	Subgrade Soil Testing Report for Construction of Hudpora to Frestub & Tangwari to Harishnar Roads under PMGSY Scheme at Baramulla, Kashmir.
38		Executive Engineer, R&B Estates Sub. Divn. Srinagar, J&K	Test Report on Bituminous Material for upgrading Hanfia College to Shaheen Mohalla Noor Bagh Road, Srinagar, J&K.
37		M/S Ramki Infrastructure Ltd, Hyderabad, A.P. (India)	Test report on aggregate material for strengthening & four laning of Srinagar-Banihal Section (km: 187 - 189.35 & 220.2 - 286.11)
36		SDA, Srinagar, Kashmir, J&K	Test Report on Suitability of Soil for earth filling plots: Group-B & E, Main Housing Colony, Bemina, Kashmir
35	2010	M/S IRCON International Ltd., New Delhi	Soil investigation for const. of RPF quarters Type II, III & IV units at Srinagar Railway Station in J&K
34		SKUAST, Srinagar, Kashmir, Govt of J&K	Geotechnical Investigation Report for const. of Administrative block, SKUAST, Srinagar
33		Asst. Executive Engineer, Old Sectt., Srinagar, Kashmir, J&K	Test Report on testing of wet macadam samples for approach road to railway station, Srinagar
32		Executive Engineer, R&B Sub. Divn.Sumbal, Kashmir, J&K	Report of sub-soil investigation for const. of Vijpora inner link Road Sumbal, Kashmir
31		R&B Project Circle Division Srinagar, J&K	Geotechnical Investigation Report for Foundation Soil of Srinagar N.H, Bye-Pass from Panthachowk to Parimpora Srinagar
30	2007	Hindustan Const. Co. Pvt. Ltd	Laboratory testing report of soil & aggregate samples for Uri – II Hydroelectric Power Project, Hri, Baramulla, J&K
29		Garrison Engineer (I) AF, 8 FBSU, AF C/O 56 A. P. O.	Test Report on Geotechnical Investigation for Assessment of Safe Bearing Capacity for the Construction of OTM Accn for UAV SQN at 8 FBSU AF, Awantipur (J&K)
28		Executive Engineer T. T. Division Srinagar, Kashmir, J&K	Report of sub-soil investigation for const. of double storey class block for HSS Nowakadal Srinagar, kashmir
27	2006	Srinagar Development Authority (SDA), J&K	Report of sub-soil investigation for proposed multi-storeyed parking cum commercial complex at Sheikhbagh, Lal Chowk Srinagar, Kashmir, J&K.
26		Garrison Engineer, GE 970 EWS C/O 56 APO, Ganderbal, Kashmir, J&K	Testing for Stabilization of the Soil for Construction of Tec infrastructure For Avn-Cum-Uav Aerial Vehicle Base to Include Runway And Taxi Track at Manasbal.
25	2005	Airport Authority of India, Srinagar, Kashmir	Soil Investigation for const. of Int`l Airport at Srinagar, Kashmir
24		R&B Deptt, Khanabal, Anantnag, Kashmir, J&K	Soil Investigation for const. of multi-storey shopping complex near Bus stand, Anantnag, J&K
23		R&B (PWD) Srinagar, Kashmir, J&K	Testing of Road Materials under "PMGSY" for design of Road pavements for Rural Areas in Kashmir Division.
22		M/S IRCON International Ltd., New Delhi	Soil investigation for Qazigund- Baramulla Railway line in J&K
21		PWD, R&B, Const. Division-III, Ganderbal Srinagar, J&K	Soil Investigation for const. of P.H.Cs. at Kachan, Sangam& Babanagri Ganderbal
20	2004	R&B (PWD) Srinagar, Kashmir, J&K	Testing of Road Materials under "PMGSY" for design of Road pavements for Rural Areas in Kashmir Division.
19		M/S Thermax & Co. Pvt. Ltd, Pune, Pune (India).	Soil Investigation for Treatment Plants at Hazratbal and Nishat areas Srinagar, J&K
18		M/S IRCON International Ltd, New Delhi	Soil investigation for Qazigund- Baramulla Railway line in J&K
17		R&B (PWS) Deptt, Khanabal, Anantnag, Kashmir, J&K	Testing of Road Materials under "PMGSY" for design of Road pavements for Rural Areas in Anantnag District, Anantnag, kashmir
16	2003	NHPC (A Govt; of India Enterprise), Uri, Kashmir	Soil investigation for Uri – II Hydroelectric Power Project at Uri, Baramulla, Kmr.
15		M/S Sulbah International Ltd., New Delhi	Soil investigation for 4 hamlets around Dal Lake Srinagar, Kashmir.
14		M/S IRCON International Ltd., New Delhi	Soil investigation for Qazigund- Baramulla Railway line in J&K
13		SDA, Srinagar, Kashmir, Govt of J&K	Suitability of Soil for Const. of Buildings at SRTC Site Residency Road ,Srinagar, J&K.
12	2002	USHP-II, Kangan, Ganderbal , Srinagar J&K	Soil investigations for construction of River Basin at Kangan for USHP-II.

11		J&K State Board of School Education, Srinagar	Pile load testing for Const. of Column Structures at Bemina, Srinagar
10		Rural Engineering Wing, Srinagar, Kashmir, J&K	Testing of Road Materials under "PMGSY" for design of Road pavements for Rural Areas in Kashmir Division.
9	2000	Road Const. Division, Srinagar, J&K	Testing of Materials for design of Road pavements
8	1999	Tourism Deptt. Gulmarg, Kashmir, J&K	Testing of Materials for design of Road pavements
7	1998	HPCL, New Airport Road Hyderpora Srinagar, Kashmir (J&K).	Site Plan and Contour Surveying for "LPG" Bottling Plant at Pampore, Kmr.
6	1997	NGHEP, Prang Ganderbal, SrinagarKashmir (J&K).	Soil Testing for a Bridge over Sindh River at Prang Ganderbal, Kashmir.
5		HPCL, New Airport Road HyderporaSrinagar, Kashmir (J&K).	Topographic & Contour Surveying for "LPG" Bottling Plant at Pampore, Kmr.
4	1996	M.E.S., 864 Er. Wks. SectionC/O 56, APO, BB Cantt. Sgr., Kmr.	Suitability of Soil for Over-Head Water Tank at BB Cantt Srinagar, Kashmir.
3		Const. Division REC, Srinagar, Kmr.	Soil Testing at REC Campus, Srinagar
2		M.E.S., 969 Er. Wks. Section C/O 56, APO, Baramulla, Kmr.	Suitability of Soil for Over-Head Water Tank at Mandir Boniyar, Uri, Kashmir.
1		City water Works Division, Srinagar Kashmir (J&K).	Topographic Survey and Suitability of Soil for Harwan Reservoir , Harwan Srinagar, J&K.

*: Unless otherwise stated, Projects deal with site investigation, recommendation on type of foundation and allowable bearing pressure.

U: INDUSTRIAL EXPERIENCE:

Previous Employer – II

Name and Address Employer : Director, URI Civil Contractor AB. A joint venture of two Swedish construction companies consisting of: " Skanska ABB and NCC International", S-18225, Dandyerd Sweden.

Name & Address of Principal Employer in/under which Contract is carried. : National Hydro-Electric Power Corporation Ltd. (A Govt. of India Enterprise), Gantamulla Uri, Distt. Baramulla, Kashmir, J&K

Nature of Work : Const. of 480 MW under-ground Uri Hydro-Electric Power Project with "H.R.T." of 10.5 Km and "T.R.T." of 2 Km.

Position Held : Surveying Engineer (on contract basis (Aug. 1992- May 1993).

Work Experience

(a). Construction of Residential Quarters at Bella Dam site, Boniyar, Uri, Baramulla, Kashmir,

(b). Construction of a Culvert of 15 m span.

(c). Surveying and widening of National Highway.

(d). Construction of Permanent Polygon Station Points and taking their "GPS" Co-ordinates.

(e). Setting-out and alignment of approach adit galleries to Head Race Tunnel (HRT).

Previous Employer – III

Name & Address of Employer. : Director, Dumez-Sogea-Borie-Sae (DSB). "A French Construction Company."

Name & Address of Principal Employer in/under which Contract is carried. : National Hydro-Electric Power Corporation Ltd. (A Govt. of India Enterprise) Dul-Hasti, Kishtwar – 182 204, Distt. Doda, J&K (INDIA).

Nature of Work : Construction of 390 MW under-ground Dul-Hasti Hydro-Electric Power Project with "H.R.T." of finished Dia. of 7.3 m and 9.73 Km Long with design capacity of 213 cumec.

Position Held : Surveying Engineer (on contract basis-1991-1992).

Work Experience

(a). Construction of Residential Quarters, workshop buildings and plate-form yards at Hasti site.

(b). Construction of approach Roads from National Highway to Project site.

(c). Setting-out and alignment of under-ground tunnel galleries and vertical shafts.

(d). Checking and taking X-sections of U/G tunnel galleries and for bottom concreting.

(e). Supervision of const. works including RCC foundations and columns for heavy equipments.

Surveying Instruments Handled

Electronic Theodolites : WILD T-2, T-1000, T-1600, T-2000, and TOPCON GTS-3B.

Total Station Theodolites : WILD TC-1000, TC-1600, TC-2000, DIOR-3002, & Psion Organiser-II, TOPCON GTS-4, FC-2 Data collector, Laser equipments, computer equipments and computer based Survey Programs (GPS Surveying).

Leveling Instruments : WILD N3, N28, NI-NA Automatic level & AMA ML 2000 Dual Laser level.

Declaration

I hereby declare that all statements made above are true, complete and correct to the best of my knowledge and belief.

Place: NIT Srinagar

Dated: 22/11/2026



Prof. (Dr.) B. A. Mir
Professor & Head
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Department of Civil Engineering
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