



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/_____

Dated: _____

“CURRICULUM VITAE”



A. Personnel:

1. Name : **Prof. (Dr.) Bashir Ahmed Mir**
2. Affiliation : Department of Civil Engineering
National Institute of Technology
Hazratbal, Srinagar –006, J&K (INDIA)
- E-Mail : **p7mir@nitsri.ac.in**, bamiriitb@gmail.com, bashiriisc@yahoo.com
- URL : <https://nitsri.ac.in/Pages/FacultyProfile.aspx?nEmpID=sa&nDeptID=c>
<https://www.linkedin.com/in/prof-dr-ing-bashir-ahmed-mir-3b64a627/>
<https://vidwan.inflibnet.ac.in/profile/48323>
3. Passport Number : L 1940298/Srinagar, INDIA (Expiry-10/2023)
4. Driving License No. : JK-0120110035833
5. Educational Qualifications : Ph. D. (IITB), M. E. *(IISc), M.B.A.* (ICM), B.E.* (UoK)
6. Research Areas : Prediction of Soil Behavior, Foundation Engineering, Critical State Soil Mechanics,
Expansive Soil Engg., Ground Improvement, Reinforced Soil Structures,
Environmental Geotechnics, Fly Ash Characterization, Pavement Materials
7. Subjects Teaching : Geotechnical Engg., Advanced Geotechnical Engineering (UG); Engineering
Behavior of Soils, Ground Improvement Techniques, Advanced Foundation Engg.,
Behavior & Testing of Unsaturated Soils, Critical State Soil Mechanics (PG Level)
8. Technical Experience : **Teaching: > 28 Years (since May 20, 1993-to date); Industrial: 1 Year, 7 Mths**
9. Research Guidance : PDF: 01; PhD: 07; M.Tech.: 24; B.Tech.: >100
10. Consultancy : Geotechnical Engineering, Foundation investigations, Ground Improvement,
Highway Engg., Construction Materials.
11. Publications at National/
International Level : > 100 (International Journals, Conferences and Book Chapters)
 - ORCID ID : 0000-0002-9360-9223
 - SKYPE ID : drbamir
 - Vidwan ID : 48323
 - Researcher ID : F-3770-2017
 - Scopus Author ID : 56519747700
12. Abroad Visits/Lectures delivered : Australia, Bangkok, China, Japan, Malaysia, Singapore, Italy, Taiwan, Tunisia, UK

13. Conf. Session chaired / Key Note delivered:

- Delivered International Webinar lecture on Research methodology organized by Universiti Teknologi Mara (UiTM), Malaysia, May 20, 2019
- Delivered Keynote on "Environmental Impact from Different Industries: Problems & Solutions" during 1ST Euro-Mediterranean Conference for Environmental Integration (EMCEI-2017), Nov. 24, 2017, Tunisia.
- Chaired Technical Session in the 19TH International Conf. on Civil, Environmental and Geological Engineering on July 24, 2017, United Kingdom,
- Chaired Technical Session in the 50TH IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT), in Pune, Dec. 17-19, 2015
- Delivered Theme Lecture in the 50TH IGC-2015 on Expansive Soils, in Pune, Dec. 17, 2015
- Delivered Key Note Lecture in International Conf on Researches in Engineering & Technology in Bangkok, Thailand, Jan. 4, 2015
- Chaired a Plenary session In International Conf on Researches in Engineering & Technology in Bangkok, Thailand, Jan. 4, 2015
- Chaired a Plenary session in Conf. on Geotechnical Engineering Practice and Sustainable Infrastructure Development on 11/10/2014 in GNDEC, Ludhiana, Punjab, India
- Chaired Technical Session in International Conference on Advances in Engineering & Technology (ICAET-2014) organized by Institute of Engineers & Doctors, USA in Roorkee India w.e.f. May 24-25, 2014.
- Chaired Technical Session in International Conference on Geotechnique, Construction Materials and Environment, Nagoya, Japan, Nov. 13-15, 2013.
- Co-Chaired Technical Session for International Conference on Cleaner Technologies & Environmental Management (ICCTEM-2007).

B. Workshops/Seminars Organized:

1. **As Convener/Organizing Secretary** for organizing 5 days training workshop on Computer Applications in Civil Engg, June 29-July 03, 2017.
2. **As a core committee member** for organizing 5-days INSPIRE Internships sponsored by DST, GOI, since 2012 to 2015
3. **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.

C. Membership in Scientific and Professional Societies

MASCE (USA), MISSMGE (UK), MICE (UK), LMIGS, LMISTE, LMISCMS, LMISWE, LMISRMTT, LMIE, LMICI, LMIScAA, C.Engg (I), LMIITBAA, UACSE (USA), Sr.MIEEE (I)

- D. **Journal Reviewer:** Ground Improvement ICE-UK, GEGE-Springer, Geotechnique-UK, IJGE-Ross Pub. USA, IJCE, Geomate-Japan, IJCECT, INCE, Springer

E. Editorial Board Member/ TPC Member for Journals/Conferences:

- For World Research Intl. Journal of Civil Engineering (WRJCLE) Since 2014
- For International Scientific Committee and Editorial Review Board on Civil and Structural Engineering for World Academy of Science, Engineering and Technology since 2014
- Editorial Board Member-World Journal of Engineering Research and Technology [WJERT] since 2016
- Editorial Board Member for i-Manager's Journal of Civil Engineering since 2015
- TPC Member for GEOMATE Technical Program Committee, Japan since 2013
- TPC Member for International Conference on Test, Measurement and Computational Method (TMC2015)
- TPC member for 4th International Conference on Geological and Civil Engineering (ICGCE 2017), Malaysia
- Conference TPC-Chair & TPC member - The United Conference on Architecture, Design, Earth Sciences and Geography (ADESG 2017), China
- TPC Member for 5th International Conference on Civil Engineering and Urban Planning (CEUP 2016), China

F. Hard & Software Skills Operating Systems:

- Excellent command in hardware & software knowledge, MS-DOS, Windows 95/98/XP/Vista/Win7/Win8
- Various Softwares in Civil Engg.- CASTeR, Microcal, Origin, Grapher, EnSoft Engg Softwares, Plaxis 3D

G. Mailing Address

Room No. 203(1ST Floor), Main Faculty Block, Department of Civil Engineering, National Institute of Technology (NIT), Hazratbal, Srinagar-190006, J&K (INDIA)

E-mail: p7mir@nitsri.net, p7mir@nitsri.ac.in, bashiriisc@yahoo.com/bamiriitb@gmail.com

Mobile Nos: 09419002500 / 09906523924/ 0194 – 2420475

H. Contact References:

1. Prof. A. Sridharan

Honorary Professor and INSA Senior Scientist (Formerly Deputy Director & Advisor, IISc; Emeritus Professor, Department of Civil Engineering, Indian Institute of Science Bangalore 560 012, INDIA.)

Present Address: Saptagiri, No. 40, West Park Road, between 13th and 14th Cross, Malleswaram, Bangalore-560003, Karnataka, India,

Phone: +91 80 23341046,

Email: asridhran@yahoo.com, sridharanasuri@yahoo.com

2. Prof. Ashish Juneja

Professor, Department of Civil Engineering, Indian Institute of Technology Bombay, Powai, Mumbai 40 0076

Tel. [+91 22] 2576 7327 (D), [+91] 9820 301 079 (M), Fax. +91 22 2576 7302,

Email: ajuneja@iitb.ac.in

3. Prof. Abdul Rashid Dar

Professor, Department of Civil Engineering (Formerly Deputy Director) National Institute of Technology Srinagar-190006, Hazratbal, Kashmir, J&K, India

E-mail: "Dr. Abdul Rashid Dar" <dr_ardar@yahoo.com> Cell No: 09419003412, Fax: 0194-2420475

Declaration

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

Dated: Date: 03/03/2022

Place: NIT Srinagar



Prof. (Dr.) B. A. Mir
Professor & Head
Geotechnical Engineering Division
Department of Civil Engineering
NIT Srinagar-190006, Kashmir, J&K (I)

I: 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 TH Standard	March - 1986	Physics, Chemistry Mathematics	1 st . Class
REC, University of Kashmir	B. E.	5 years (1986-1991)	Civil Engineering	(1 st . Class)
Institute of chartered Managers (ICM), IAS Academy Chennai	M. B. A.	2 years July 1998-June 2000 (by correspondence)	Business Mgt.	(1 st . Class)
Indian Institute of Science, IISc, Bangalore -560 012	M. E.	1½ years (July 2000-DEC. 01)	Geotechnical Engineering.	(1 st . Class: 6.3/8) with outstanding Grade in Dissertation
Indian Institute of Technology, Bombay	Ph.D.	(July 19, 2007-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”

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

PROJECT CREDITS: 0:12		PROJECT GRADE: S	
PROJECT TITLE: The Effect of Fly Ash on the Engineering Properties of Black Cotton Soils			
W : Withdrawn	Grade	Qualitative Assessment	Point Value of Grade
TGPA : Term Grade Point Average CGPA : Cumulative Grade Point Average Maximum : 8.0	S	Outstanding	8

Title of Ph.D. Thesis: “Study of the influence of smear zone around sand compaction pile on properties of composite ground.”

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

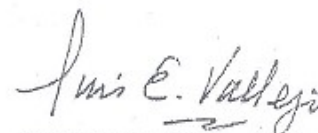
Detailed report on the thesis: (Comment on the salient features of the work reported in the thesis and the basis of the recommendations -

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.


 (Signature of Examiner)

J: AWARDS & HONOURS

- **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).
- **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.
- **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.
- **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)*.
- **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.
- **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)**.
- **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 VDGOD Professional Association.
- **Honoured with Esteemed Grade of Fellowship** by Open Association of research Society (USA) for the exceptional achievements in my Research Work (2019)
- **Recipient of Best Paper Award** from World Academy of Science, Engineering and Technology, UK (**ICCEGE 2017**), July 24, 2017, London, UK.
- **Recipient of Best Paper Award** from Global Researches Development & Services during International Conference on Researches in Engineering & Technology (ICRET-2015), Jan. 2015, Bangkok, Thailand.
- **Recipient of Best Paper Award** from Indian Geotechnical Society Ludhiana during 4TH Terzaghi Oration Lecture (GEP SID 2014) Oct. 2014, India.
- **Recipient of Best Paper Award** from IRED USA during International Conference on Advances in Engineering & Technology (ICAET-2014) May, 2014, India.
- **Recipient of QIP National Scholarship** from AICTE/MHRD to pursue Graduate studies (M E.) at Indian Institute of Science, Bangalore, India (2000-2001)
- **Recipient of QIP National Scholarship** from MHRD to pursue doctoral studies Ph. D.) at Indian Institute of Technology, Bombay, Mumbai, India (2007-2009).
- **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
- **Chair/Session Leader** for Plenary Session on International Conf on Researches in Engineering & Technology in Bangkok, Thailand, Jan. 4, 2015.
- **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.
- **Chair/Session Leader** for Technical Session on Conf. on Geotechnical Engineering Practice and Sustainable Infrastructure Development (GEP SID-2014), India
- **Chair/Session Leader** for Technical Session on International Conference on Geotechnique, Construction Materials and Environment, Nagoya, Nov. 13-15, 2013, Japan.
- **Chair/Session Leader** for Technical session on International Conference on Cleaner Technologies & Environmental Management (ICCTEM-2007), India.
- **Delivered Key Note Lecture** in International Conf on Researches in Engineering & Technology in Bangkok, Thailand, Jan. 4, 2015
- **Delivered Theme Lecture** in the 50TH IGC-2015 on Expansive Soils, in Pune, Dec. 17, 2015
- **Organizing member** for conduct of one day Seminar on “Chemistry: Our life, our future” by Dept. of Chemistry, NIT Srinagar on 15TH Nov., 2011.
- **As a core committee member** for organizing 5-days INSPIRE Internships sponsored by DST, GOI, since 2012 to 2014
- **As Editor and Organizing Committee member** Library Conference NIT Srinagar
- **Advisory Board Member** for World Research Intl. Journal of Civil Engineering (WRJCLE)
- **Advisory Board Member on** International Scientific Committee and Editorial Review Board on Civil and Structural Engineering for World Academy of Science, Engineering and Technology
- **On Editorial Board**, i-Manager’s Journal on Civil Engineering
- **As Journal Reviewer** for various international journals: Ground Improvement ICE-UK, GEGE-Springer, Geotechnique-UK, IJGE-Ross Pub. USA, IJCE, Geomate-Japan, IJCECT, IJTRA, IJCE ASCE Journals etc.

K: Membership in Scientific and Professional Societies at National & Int'l. Level

Sr. No.	Name of Association / Society	Category	Membership No.
20	Honorary Member, International Multidisciplinary Research Foundation Leading Research Organization in India & Abroad, Institute of Higher Education and Research (2021)	Honorary Fellow Member	HF-21109
19	SAS Eminent Fellow Membership (SEFM)" of Scholars Academic and Scientific Society (Certificate No.: SAS/SEFM/083/2021).	Eminent Fellow (SEFM)	SAS/SEFM/083/2021
18	Fellow Institute of Scholars (InSc), Bengaluru India.	Fellow	F.InSc20210CE4
17	Member of VDGGOOD Professional Association, Madurai, India	Member	M.VDSA2114
16	IEEE Geoscience and Remote Sensing Society (GRSS) New Delhi Section	Sr. Member	Sr.MIEEE#93336651
15	American Society of Civil Engineers (USA)	Member	M.ASCE#342437
14	International Society for Soil Mechanics & Geotechnical Engg, ISSGE, UK (renewed 2018-2021)	Member	IND22MISSGE-2072
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, Chennai	Life Member	LM.ICI- 005617
08	Institution of Engineers, Calcutta	Life Member	LMIE- 124648/2
07	Institution of Engineers (I), India	Chartered Engineer	C.Engg (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	LM.ISRMTT-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

L: Contribution to Education, Innovation, Design of New Courses and Curriculum:

In this regard, the various assignments are briefly out-lined as below:

1. Prepared up-to-date Manual of Geotechnical Laboratory Soil Testing published by CRC Press, Taylor & Francis Group (2021)
2. Prepared up-to-date manual for Surveying Practicals for 3rd & 4th Semester students of Civil Engg.
3. Installation of computer Aided Soil Testing software "CASTeR" in computer lab., and introduction to students
4. Reactivation of existing Triaxial equipment for Soil Testing.
5. Preparation of proposals for introduction of PG Program in Geotechnical Engineering under TEQIP.
6. Preparation of proposals for setting-up of CAD Lab. in Civil Engineering which has been approved.
7. Preparation of schemes for the up gradation and modernization of existing Labs. of Geotechnical Engineering Division under TEQIP.
8. Preparation of proposals for setting-up of CAD Lab. in Civil Engineering which has been approved.
9. Coordinator for Annual Report Preparation & General Information Compilation for Dept. of Civil Engineering

M: Administrative Duties Performed at Department & Institute Level

25. Dean, Planning & Development Wing N. I. T. Srinagar since Jul. 2020
24. Member, Building and Works Committee (BWC), P&D, NIT Srinagar since Jul. 2020
23. Chairman, Minor Works Committee, P&D, NIT Srinagar since Jul. 2020
22. Chairman, House Allotment Committee, P&D, NIT Srinagar since Jul. 2020
21. Chairman, DPC, Deptt. of Civil Engineering since Nov. 2019
20. Head Geotechnical Engineering Division since Oct. 2018
19. PG Coordinator, Geotechnical Engineering Division from Aug. 2014 to April 2022
18. Nodal Officer Finance-TEQIP-III since 2017 (TEQIP-III: 2017-2021)
17. Environmental Coordinator-TEQIP-III since 2017 (TEQIP-III: 2017-2021)
16. Dean Assoc. Planning & Development Wing N. I. T. Srinagar from Aug. 2015 to Nov. 2019
15. Member, Senate Committee, NIT Srinagar since 2015
14. Head/Coordinator, PG Deptt. of Geotechnical Engg. Division since Aug. 2014
13. Chairman, DPC, P&D NIT Srinagar from Aug. 2015 Aug. 2015 to Nov. 2019
12. Executive Engineer, P&D Division, NIT Srinagar from Sept. 2015 Aug. 2015 to Nov. 2019
11. Member, Placement & Training Deptt, NIT Srinagar, 2015-2017
10. Estates Officer, NIT Srinagar from Aug. 2011 to Aug. 2015
9. Member, Deptt. Purchase Committee since 2012
8. Member, Central Library Committee since 2012
7. Member, Contract Committee, P&D Wing, NIT Srinagar since 2011
6. As a Time –Table coordinator, Deptt. of Civil Engineering (2002-2003) & 2010-to 2019
5. Officer Incharge, Computer Lab. of Civil Engineering (2003-2006)
4. Officer Incharge-CAD lab., Dept of Civil Engineering (2006-07)
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 (REC/NIT)

N: Selected Publications in International Journals (2010-2022)

43.

42. Shah Rufiadah and Mir B. A. (2022). Effect of varying pore water salinity on frost susceptibility behavior of soils. *International Journal of Transportation Geotechnics*, © 2022 Elsevier Ltd, Available online 6 May 2022, 100776, <https://doi.org/10.1016/j.trgeo.2022.100776> (IF: 3.29, Acceptance Rate=17%).
41. Gull N. and Mir B. A. (2022). Parametric Study of Glass Fiber Reinforced Fine-grained Soil with emphasis on Micro-structural Analysis. *International Journal of Geotechnical Engineering*, <https://doi.org/10.1080/19386362.2022.2049524> (Published online: 13 Mar 2022), pp. 1-13.
40. Akbar, A., Bhat, J. A., & Mir, B. A. (2022). Laboratory Study on Pressure Settlement Behavior of Shallow Foundation on Bitumen Coated Geogrid Reinforced Soil Bed with Varying Percentage of Prestress. *International Journal of Pavement Research and Technology*, <https://doi.org/10.1007/s42947-021-00147-6> (Published online: 26 January 2022), pp. 1-19
39. Mir B. A. and Wani K. M. N. S. (2021). Effective use of microbes in waste soil stabilization considering natural temperature variations. *Geomechanics and Geoengineering - An International Journal*, 27 Sept. 2021, <https://doi.org/10.1080/17486025.2021.1981465> (2021), pp. 1-21.
38. Wani, K. M. N. S., Mir, B. A., & Sheikh, I. R. (2021). Biological processes in the stabilization of weak river sediments: an innovative approach. *Innovative Infrastructure Solutions*, Issue 3/2021, 01 Sept. 2021 (Published online 30 June 2021), <https://doi.org/10.1007/s41062-021-00538-5>, 6(3): 1-15.
37. Muheeb Majid and Mir B. A. (2021). Landfill site selection using GIS based multi criteria evaluation technique: A case study of Srinagar city, India. *International Journal of Environmental Challenges*. Copyright © 2021 Elsevier B.V., 03 April, 2021, <https://doi.org/10.1016/j.envc.2021.100031> (2021), 3(100031): 1-14.
36. Mir B. A. and Reddy S. H. (2021). Mechanical behaviour of Nano-material (Al₂O₃) Stabilized Soft Soil. *International Journal of Engineering (IJE) Transactions C: Aspects*, <https://doi.org/10.5829/IJE.2021.34.03C.07> (2021), 34(3): 636-643.
35. Akbar, A., Bhat, J. A., & Mir, B. A. (2021). Plate load tests for investigation of the load-settlement behaviour of shallow foundation on bitumen-coated geogrid reinforced soil bed. *Innovative Infrastructure Solutions*, <https://doi.org/10.1007/s41062-020-00397-6> (2021), 6(2): 1-17.
34. Wani K. M. N. S. and Mir B. A. (2021). A Laboratory-Scale Study on the Bio-cementation Potential of Distinct River Sediments Infused with Microbes. *International Journal of Transportation Infrastructure Geotechnology*, <https://doi.org/10.1007/s40515-020-00131-w> (Published: 31 July 2020), 8(1):162-185.
33. Wani K. M. N. S. and Mir B. A. (2021). Effect of Microbial Stabilization on the Unconfined Compressive Strength and Bearing Capacity of Weak Soils. *International Journal of Transportation Infrastructure Geotechnology*, <https://doi.org/10.1007/s40515-020-00110-1> (Jun. 30, 2020), 8(1): 59-87.
32. Wani K. M. N. S. and Mir B. A. (2020). A comparative laboratory scale study on the effect of waste boulder crusher dust and cement in stabilising marginal sediments. *Geomechanics and Geoengineering-An International Journal*, <https://doi.org/10.1080/17486025.2020.1827164> (2020), 17(2): 574-585.
31. Wani K. M. N. S. and Mir B. A. (2020). An Experimental Study on the Bio-cementation and Bioclogging Effect of Bacteria in Improving Weak Dredged Soils. *International Journal of Geotechnical and Geological Engineering*, <https://doi.org/10.1007/s10706-020-01494-0> (2020), 39(1): 317-334.
30. Wani K. M. N. S. and Mir B. A. (2020). Stabilization of weak dredged soils by employing waste boulder crusher dust-A: Laboratory Study. *International Journal of Geotechnical and Geological Engineering*, <https://doi.org/10.1007/s10706-020-01472-6> (2020), 38(6): 6827-6842.
29. Wani K. M. N. S. and Mir B. A. (2020). Unconfined Compressive Strength Testing of Bio-cemented Weak Soils: A Comparative Upscale Laboratory Testing. *Arabian Journal for Science and Engineering*, <https://doi.org/10.1007/s13369-020-04647-8> (2020), 45(10): 8145-8157.
28. Reddy S. H. and Mir B. A. (2020). Some studies on microstructural behaviour and unconfined compressive strength of soft soil treated with SiO₂ nanoparticles. *Innovative Infrastructure Solutions* <https://doi.org/10.1007/s41062-020-0283-3> (2020), 5(1): 1-12.
26. Wani K. M. N. S. and Mir B. A. (2019). Effect of Biological Cementation on the Mechanical Behaviour of Dredged Soils with Emphasis on Micro-structural Analysis. *International Journal of Geosynthetics and Ground Engineering*, <https://doi.org/10.1007/s40891-019-0183-9> (Nov. 2019), 5(4):1-14.
25. Wani K. M. N. S. and Mir B. A. (2019). Influence of microbial geo-technology in the stabilization of dredged soils. *International Journal of Geotechnical Engineering*, <https://doi.org/10.1080/19386362.2019.1643099> (2019), 15(2): 235-244.
24. Mir B. A. and Sridharan A. (2019). Mechanical behavior of fly ash treated expansive soil. *Proceedings of the Institution of Civil Engineers - Ground Improvement, ICE, UK*, <https://doi.org/10.1680/jgrim.16.00024> (Published Online: January 2019), 172(1): 12-24.
23. Obaid Qadir Jan and Mir B. A. (2018). Strength Behavior of Cement Stabilized Dredged Soil. *International Journal of Geosynthetics and Ground Engineering* 2018, <https://doi.org/10.1007/s40891-018-0133-y> (2018), 4(2): 1-14.
22. Obaid Qadir Jan and Mir B. A. (2017). Mechanical Behavior of Cement Stabilized Dredged Soil. *Global Journal of Researches in Engineering (E)*, <https://engineerresearch.org/index.php/GJRE/article/view/1711> (2017), 17(4E): 42-48.
21. Mir B. A. (2017). Smart Materials and Their Applications in Civil Engineering: An Overview. *International Journal of Civil Engineering and Construction Science*, © AASCIT, USA, <http://www.aascit.org/journal/ijcecs> (May 2017), 4(2):11-20.
20. Mir B. A. (2017). On Integrated Testing and Performance Assessment of Dredged Solid Waste from Dal Lake for Sustainable Environment. *American Journal of Civil and Environmental Engineering*, © AASCIT, USA, <http://www.aascit.org/journal/ajcee> (Aug. 2017), 2(1): pp. 1-7.
19. Mir B. A. and Malik A. (2017). Studies on the Mechanical Behavior of Bottom Ash for a Sustainable Environment (**Best paper Award**). *International Journal of Civil and Environmental Engineering* - ©scholar.waset.org/, <http://dx.doi.org/10.5281/zenodo.1130977> (May 2017), 11(7): 857-863.
18. Mir B. A. (2016). Expansive soils: problems and remedial measures. *World journal of Engineering Research and Technology* (Impact Factor = 3.419), 2(5): 146-162.
17. Mir B. A. (2016). Some Studies on Physical and Mechanical Behavior of Dredged Soil from Flood Spill Channel of Jhelum River, Srinagar. *Acta Ingenieria Civil* 2016, © Lawrence press, <https://doi.org/10.20936/AICV/160101> (2016), 1(1): 1-7.
16. Mir B. A. and Juneja A. (2016). Model Studies on Shear Behavior of Reinforced Reconstituted Clay. *International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering-waset.org/Publication/10003706*, <http://doi.org/10.5281/zenodo.1111655> (2016), 10(1): 87-94.
15. Butt Wajid Ali, Mir B. A. and Jha J. N. (2016). Strength Behavior Of Clayey Soil Reinforced With Human Hair As A Natural Fibre. *International Journal of Geotechnical & Geological Engineering*, <https://doi.org/10.1007/s10706-015-9953-x> (Published online: 19 November 2015), 34(1): 411-417.
14. Mir B. A. (2015). Some studies on the effect of fly ash and lime on physical and mechanical properties of expansive clay. *International Journal of Civil engineering-Transaction B: Geotechnical Engineering – Geotechnique*, <https://doi.org/10.22068/IJCE.13.3.203> (2015), 13(3&4B):203-212.
13. Mir B. A. (2015). Some Studies on Geotechnical Characterization of Dredged Soil for Sustainable Development of Dal Lake and Environmental Restoration. *International Journal of Technical Research and Applications: e-ISSN: 2320-8163; © IJTRA 2013- Corpus ID: 173987536* (2015), Special Issue 12: 04-09.
12. Mir B. A. (2014). Geosynthetics Applications In Highway Construction In J&K: Sustainable Infrastructure Development (**Best Paper Award**). *Journal on Structural Engineering: State-of-the-art and State-of-Practice in Structural Engg.* <https://doi.org/10.26634/jste.3.3.3060> (Nov. 2014), 3(3): 1-9.
11. Mir B. A. and Juneja A. (2014). Model Studies on SCP Reinforced Reconstituted Kaolin Clay (**Best Paper Award**) *International Journal of Civil and Structural Engineering – IJCE*, © IRED, USA (Seek Digital Library), 1(3): PP. 27-31.
10. Mir B. A., Wani B. A., Ahmad N., Ayoub R., and Aziz J. (2014). Comparative Study on Load-Settlement Behavior of Shallow Footings on Dredged Material underlain by a Rigid Base. *World Research Journal of Civil Engineering*, [https://doi.org/10.9735/2277-5986.3.1\(2014\), 3\(1\): 34-38](https://doi.org/10.9735/2277-5986.3.1(2014), 3(1): 34-38).
09. Mir B. A. and Juneja A. (2014). Permeability and Consolidation Behavior of Composite Ground Reinforced with Sand Columns. *International Journal of Geotechnique, Construction Materials and Environment (GEOMATE) Japan*, <https://doi.org/10.21660/2014.12.3343> (2014), 6(2): 832-839.
08. Mir B. A. and Sridharan A. (2014). Volume Change Behavior of Clayey Soil-Fly Ash Mixtures. *International Journal of Geotechnical Engineering*, Maney Publishing, Inc., USA, <https://doi.org/10.1179/1939787913Y.0000000004> (Published online: 06 Dec 2013), 8 (1): 72-83.
07. Mir B. A. and Sridharan A. (2013). Physical and Compaction Behavior of Clay Soil-Fly ash Mixtures. *International Journal of Geotechnical & Geological Engineering*, <https://doi.org/10.1007/s10706-013-9632-8> (Published online: 29 March 2013), 31(4): 1059-1072.

- 06 Shah M. Y., Mir B.A., Mushtaq M., Jameel F., Wani I.A., Nath U., Ganie I. A. and Hussain A. (2013). Strength Behavior of Dredged Material from Dal Lake Srinagar. *International Journal of Civil Engineering and Applications (Special Issue-2013)*, 3(7): 47-51.
- 05 Mir B. A., Wani B. A., Ahmad N., Ayoub R., Dar L. A., Rashid S. U. and Aziz J. (2013). Physical and Compaction Behavior of Dredged Material from Dal Lake Srinagar. *International Journal of Civil Engineering and Applications (Special Issue-2013)*, 3(7): 4-8.
- 04 Juneja A., Mir B. A. and Roshan N. S. (2013). Effect of the smear zone around SCP improved composite samples tested in the laboratory. *International Journal of Geomechanics*, © ASCE, USA, [https://doi.org/10.1061/\(ASCE\)GM.1943-5622.0000169](https://doi.org/10.1061/(ASCE)GM.1943-5622.0000169) (Published online: January 15, 2013), 13(1):16-25.
- 03 Juneja A. and Mir B. A. (2012). Behavior of clay reinforced by sand compaction pile with smear. *Proceedings of the Institution of Civil Engineers-Ground Improvement, ICE, UK*, <https://doi.org/10.1680/grim.10.00020> (May 2012), 165(2): 111-124.
- 02 Juneja A., Mir B. A. and Parihar A. (2011). Effect of sand Compaction piles installation in model clay beds. *International Journal of Geotechnical Engineering*, J. Ross Publishing, Inc., USA, <https://doi.org/10.3328/IJGE.2011.05.02.199-209> (2011), 5(2): 199-209.
- 01 Juneja A. and Mir B. A. (2010). Behavior of marine clays containing seashell fragments under undrained triaxial loading. *International Journal of Geotechnical Engineering*, J. Ross Publishing, Inc., USA, <https://doi.org/10.3328/IJGE.2010.04.04.565-571> (2010), 4(4): 565-571.

O: Selected Book Chapters (2018-2022)

- 14 Shah Rufaidah and Mir B. A. (2022). The Freezing Point of Soils and the Factors Affecting its Depression. In Book: *Advances in Construction Management - Lecture Notes in Civil Engineering book series (LNCE, volume 191)*; Lee Yee Loon, Muthulingam Subramanian, K. Gunasekaran (eds), Springer, Singapore, © 2022 Springer Nature Switzerland AG. Part of Springer Nature, https://doi.org/10.1007/978-981-16-5839-6_14, Jan. 22, 2022, LNCE-Vol. 191, Chp. 14, pp 157–166.
- 13 Falak Zahoor and Mir B. A. (2021). Geotechnical Characteristics of Soils and Rocks of Jammu and Kashmir. In Book: *Geotechnical Characteristics of Soils and Rocks of India*, Dec. 31, 2021, © 2022 Informa UK Limited Taylor & Francis Group, <https://doi.org/10.1201/9781003177159-15>, Chp. 15, pp. 295-322.
- 12 Wani K. M. N. S., Mir B. A., Sheikh I. R. (2021). Stabilization of Artificial Soils Using Waste Marble Dust. In Book: *Ground Improvement and Reinforced Soil Structures - Lecture Notes in Civil Engineering book series (LNCE, volume 152)*; Reddy C.N.V., Saride S., Krishna A.M. (eds), Springer, Singapore, © 2022 Springer Nature Switzerland AG. Part of Springer Nature 2022, https://doi.org/10.1007/978-981-16-1831-4_30, July 27, 2021, LNCE-Vol. 152, Chp. No. 30, pp. 329-337.
- 11 Rakshanda Showkat, Mir B. A. and Wani K. M. N. S. (2021). A Laboratory Study on the Mechanical Behaviour of Dredged Soil Admixed with Waste Rubber Tyre Powder and Cement. In Book: *IGC2019.Vol-3, Lecture Notes in Civil Engineering book series (LNCE, volume 136)*; edited by Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds), © Springer Nature Singapore Pte Ltd. 2021, https://doi.org/10.1007/978-981-33-6444-8_78, Chp. 78, pp. 863-871.
- 10 Rakshanda Showkat, Mir B. A. and Wani K. M. N. S. (2021). Physical and Mechanical Behavior of Dredged Soil Acquired from Dal Lake — A Laboratory Study. In Book: *IGC2019.Vol-2, Lecture Notes in Civil Engineering book series (LNCE, volume 134)*; edited by Patel S., Solanki C.H., Reddy K.R., Shukla S.K. (eds), Springer Singapore, © 2022 Springer Nature Switzerland AG. Part of Springer Nature, https://doi.org/10.1007/978-981-33-6370-0_15, Chp. 15, pp. 157-169.
- 9 Wani K.M.N.S., Mir B. A. and Sheikh I.R. (2021). Effect of Microbes on the Unconfined Compressive Strength of Dredged Sediments. In Book: *Sustainable Development through Engineering Innovations-Lecture Notes in Civil Engineering book series (LNCE, volume 113)*; edited by Singh H., Singh Cheema P.P., Garg P. (eds), Springer, Singapore, © Springer Nature Singapore Pte Ltd. 2021, ISBN 978-981-15-9553-0, https://doi.org/10.1007/978-981-15-9554-7_15, Chp. 15, pp 163-174.
- 8 Mir B. A. and Reddy H. P. (2021). Enhancement in Shear Strength Characteristics of Soft Soil by Using Nanomaterials. In Book: *Sustainable Environment and Infrastructure-Lecture Notes in Civil Engineering book series (LNCE, volume 90)*; edited by Krishna R. Reddy, Arvind Kumar Agnihotri, Yeliz Yukselen Aksoy, Brajesh Kumar Dubey, and Ajay Bansal India, © Springer Nature Switzerland AG 2021, https://doi.org/10.1007/978-3-030-51350-4_39, Chp. No. 39, pp. 421-435.
- 7 Mir B. A. and Wani K.M.N. S. (2020). Mechanical Behavior of Boulder Crusher Dust (BCD)-Stabilized Dredged Soil. In Book: *Problematic Soils and Geoenvironmental Concerns – Lecture Notes in Civil Engineering book series (LNCE, volume 88)*; Editors: Latha Gali, Madhavi, P., Raghuvver Rao (Eds.) First Online: 12 September 2020, © Springer Nature Singapore Pte Ltd. 2021, https://doi.org/10.1007/978-981-15-6237-2_35, Chp. No. 35, pp. 421-432.
- 6 Mir B. A. (2020). Laboratory study on the effect of plastic waste additive on shear strength of marginal soil. In Book: *Sustainable Civil Engineering Practices-Lecture Notes in Civil Engineering book series (LNCE, volume 72)*; In Varinder S. Kanwar, Sanjay Kumar Shukla (Eds): 1510 Springer Nature Singapore Pte Ltd; © Springer Nature Singapore Pte Ltd. 2020, https://doi.org/10.1007/978-981-15-3677-9_10, Chp. No. 10, pp. 89-99.
- 5 Obaid Q. Jan and Mir B. A. (2019). Strength and Micro Structural Behavior of Lime Stabilized Dredged Soil. In Book: *Latest Thoughts on Ground Improvement Techniques*. In H. Shehata and H. Poulos (Eds.): SUCI, © Springer International Publishing AG 2019, https://doi.org/10.1007/978-3-030-01917-4_11, Chp. 11, pp. 132–153.
- 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; 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; 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, 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; https://doi.org/10.1007/978-3-319-61612-4_32, Chp No. 32, pp. 386-406.

P: Selected Publications in International Conferences/Symposiums etc. (2010-2022)

- 26 Shah R. and Mir B. A. (2022). The Freezing Point of Soils and the Factors affecting its Depression. In Proc. 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.
- 25 Mir B. A. and Majid B. (2019). Experimental study of behavior of geosynthetic reinforced two layer foundation system. In Proc. of 16th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (16ARC: Oct. 14-18), Taipei, Taiwan. Paper ID: IGS-015, pp. 1-4.
- 24 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 Proc. 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.
- 23 Mir B. A. (2019). Essence of In-situ soil testing for Geotechnical Site Characterization. In Proc. 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.
- 22 Mir B. A. and Syed Mudasar Gulzar (2018). Improvement of the strength of subgrade of flexible pavements using geogrid. In Proc. 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.
- 21 Mir B. A. and Reddy S. H. (2018). Applications of Nanometric Additives in Geotechnical Engineering. In Proc. 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.
- 20 Mir B. A., Shah B. M. and Shah F. A. (2017). Some Model Studies on Reinforced Dredged Soil for Sustainable Environment. In Proceedings of 1st Euro-Mediterranean Conference for Environmental Integration, November 22-25 2017, Sousse, Tunisia, https://doi.org/10.1007/978-3-319-70548-4_494, © Springer International Publishing AG, Part of Springer Nature, pp. 1697-1700.

- 19 Mir B. A. (2017). Some Studies on Mechanical Behavior of Cement Stabilized Dredged Soil from Flood Spill Channel of Jhelum River Srinagar. In: Proceedings of GeoMEast 2017-International Conference on “Sustainable Civil Infrastructures: Innovative Infrastructure Geotechnology”, Egypt. Springer, Cham. https://doi.org/10.1007/978-3-319-61612-4_32, pp. 386-406.
- 18 Mir B. A. and Juneja A. (2016). Model studies on shear behavior of reinforced reconstituted clay. In Proc. of 18TH ICCCE-2016: International Scholarly and Scientific Research & Innovation: Iinternational Science Index- aste.org/abstracts/35225, Jeddah, KSA, Paper Code: 16SA01000031, Vol:3, No:1, Jan. 26-27, 2016
- 17 Mir B. A., Gupta K. and Jha J. N. (2016). Some studies on the behavior of sugarcane bagasse ash admixed with cement stabilized soil In Proc. of International Conference on Soil and Environment, ICSE 2016, Bangalore, Paper ID: 010sw (TS-06), Vol. 1, pp. 1-8.
- 16 Mir B. A. and Malik A. (2016). Bottom Ash – as an Engineered Construction Material for Sustainable Environment. In Proc. of International Conference on Soil and Environment, ICSE 2016, Bangalore Paper ID: 009sw (TS-06), Vol. 1, pp. 1-9.
- 15 Mir B.A. and Roy R. K. (2016). Some studies on the mechanical and CBR behavior of dredged material admixed silty soil. In Proc. of International Conference on Soil and Environment, ICSE 2016, Bangalore, Paper No. 011ss (TS-1), Vol.1, pp. 1-8.
- 14 Mir B. A., Faizan Amin and Basit Majid (2016). Some studies on mechanical behavior of stabilized dredged soil for sustainable environment. In Proc. of International Geotechnical Engineering Conference on Sustainability in Geotechnical Engineering Practices and Related Urban Issues, September 23-24, 2016, Mumbai, India, Th04- Paper ID: 66, pp. 1-4.
- 13 Mir B. A. (2015). On Innovative Technique for Stabilization of Hilly Slopes in J&K: A Review. In Proc. of Proceedings of 6TH International Geotechnical Symposium on Disaster Mitigation in Special Geoenvironmental Conditions, IIT Madras, Chennai, India, Paper ID: 7-13, pp. 513-516.
- 12 Mir B. A. (2015). Some Studies on Geotechnical characterization of Dredged Soil for Sustainable Development of Dal Lake and Environmental Restoration. In Proc. of Proceedings of the Int'l. Conf. on Researches in Engineering & Technology (ICRET-2015), Bangkok, Thailand, Paper ID: GIC I4 13051, pp. 1-6.
- 11 Mir B. A. Uzair A. and Irfan A. (2014). Experimental Study on Some Physical and Mechanical Properties of Solina Soil, Srinagar. In Proc. of Int'l. Conf. on Sustainable Civil Infrastructure (ICSCI-2014) , © ASCE India Section, Oct.17–18, 2014, Hitex, Hyderabad, Telangana, India, Vol. 1, pp. 472-481.
- 10 Naqash J. A. and Mir B. A. (2013). Constructive Use of Fly Ash as a Cementitious Material in Concrete Technology. In Proc. of the Int'l. Conf. on Structural Engineering and Mechanics (ICSEM-2013), December 20-22, 2013, Rourkela, India, pp. 1-8.
- 9 Mir B. A. and Juneja A. (2013). Permeability and Consolidation Behavior of Composite Ground Reinforced With Sand Columns. In Proc. of the Third the Int'l. Conf. on Geotechnique, Construction Materials and Environment, Nagoya, Japan, Nov. 13-15, 2013, ISBN: 978-4-9905958-2-1 C3051, Vol. 3(1), pp. 304-309
- 8 Mir B. A. and Juneja A. (2013). Effect of Smear on Strength Behavior of SCP-Reinforced Soft Ground. In Proc. of Proceedings of the 18th International Conference on Soil Mechanics and Geotechnical Engineering, Paris, TC211, Vol. 1, pp.2561-2564.
- 7 Shah M. Y., Mir B.A., Mushtaq M., Jameel F., Wani I.A., Nath U., Ganie I. A. and Hussain A. (2013). Strength Behavior of Dredged Material from Dal Lake Srinagar. In Proc. of the Int'l. Conf. on “Sustainable Innovative Techniques in Civil and Environmental Engineering” (SITCEE – 2013) Jawaharlal Nehru University, New Delhi, Vol. 1, pp. 47-51.
- 6 Mir B. A., Wani B. A., Ahmad N., Ayoub R., Dar L. A., Rashid S. U. and Aziz J. (2013). Physical and Compaction behavior of Dredged material from Dal Lake Srinagar. In Proc. of the Int'l. Conf. on “Sustainable Innovative Techniques in Civil and Environmental Engineering” (SITCEE – 2013) Jawaharlal Nehru University, New Delhi, Vol. 1, pp. 4-8.
- 5 Mir B. A. and Juneja A. (2013). Compressibility Behavior of Soft Clays Reinforced with Sand Columns. In Proc. of the Int'l. Conf. on Advances in Geotechnical Infrastructure, Edited by C. F. Leung, S. H. Goh & R. F. Shen, Copyright © 2013 Geotechnical Society of Singapore (GeoSS), ISBN: 978-981-07-4948-4, https://doi.org/10.3850/978-981-07-4948-4_292, pp.1-6.
- 4 Mir B. A. and Juneja A. (2013). Compressibility and strength behavior of soft clays reinforced with sand compaction piles. In Proc. of the Int'l. Conf. on Geotechnical Engineering., ICGE- 2013, Tunisia, Vol. 1, pp. 421 – 431.
- 3 Mir B. A. and Juneja A. (2012). Consolidation Behavior of composite Ground Reinforced With Sand Columns. In Proc. of the International Conf. on Ground Improvement and Ground Control (ICGI 2012), University of Wollongong, Australia, Edited by Buddhima Indraratna, Cholachat Rujikiatkamjorn and Jayan S. Vinod, ISBN: 978-981-07-3559-3, https://doi.org/10.3850/978-981-07-3559-3_01-0114, Vol. 1, Paper ID: 8140, pp. 431 – 437.
- 2 Mir B. A. and Juneja A. (2010). Some Mechanical Properties of Reconstituted Kaolin Clay. In Proc. of the 17th Southeast Asian Geotechnical Conference Taipei, Taiwan, Vol. 1, pp. 145-148.
- 1 Juneja A. and Mir B. A. (2009). Effect of smear on load capacity of sand compaction piles. In Proc. of the Int'l. symposium on ground improvement technologies and case histories (ISGI 2009), Edited by C. F. Leung, J. Chu and R. F. Shen, ©Research Publishing Services Singapore (2009), ISBN: 978-981-08-3124-0, <https://doi.org/10.3850/G1070>, Vol. 1, pp.509-514.

Q: Selected Publications in National Conferences/Symposiums etc. (2010-2021)

33. 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 Tiruchirappalli, TN, India, © Springer Nature Singapore Pte Ltd. 2021.
32. 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 11-02 pp. 1-11.
31. 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 10-30, pp. 1-12.
30. 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. 2020, Paper ID: TH 08-96, pp. 501-510.
29. 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.
28. Rakshanda Showkat, Mir B. A. and Wani K. M. N. S. (2019). A Laboratory Study on the Mechanical Behaviour 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.
27. Rakshanda Showkat, Mir B. A. and Wani K. M. N. S. (2019). Physical and Mechanical Behaviour 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.
26. 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.
25. 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.
24. 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.
23. Obaid Qadir Jan and Mir B. A. (2017). Mechanical Behavior of Lime Stabilized Dredged Soil. In *Proceedings of Indian Geotechnical Conference 2017 GeoNest 14-16 December 2017*, IIT Guwahati, India, © Springer International Publishing AG 2017, Th09_281, pp. 1-4.
22. Shah R. and Mir B. A. (2017). Evaluation of effect of Stiffness and Orientation of Reinforcement on the Shear Strength of Sand. In *Proceedings of Indian Geotechnical Conference 2017 GeoNest 14-16 December 2017*, IIT Guwahati, India, © Springer International Publishing AG 2017, Th11_465, pp. 1-4.
21. Mir B. A., Shah M. Y. and Roy R. K. (2017). Some Studies on the Performance Behavior of Stabilized Dredged Soil as Highway Construction Material. In *Proceedings of Indian Geotechnical Conference 2017 GeoNest 14-16 December 2017*, IIT Guwahati, India, © Springer International Publishing AG 2017, Th13_452, pp. 1-4.

- 20 Shah M. Y. and Mir B. A. (2017). Role of Gliment as an additive on the CBR Behavior of Kerewa Soils. In *Proceedings of Indian Geotechnical Conference 2017 GeoNest 14-16 December 2017*, IIT Guwahati, India, © Springer International Publishing AG 2017, Th09_579, pp. 1-4.
- 19 Mir B. A. (2015). An Experimental Study on the Characterization and Behavior of Stabilized Dredged Soil from Flood Spill Channel of Jhelum River Srinagar (Theme paper). In *Proc. Of 50th IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT)*, Dec. 17-19, 2015, Pune, Mumbai, Vol. 1, Paper No. 02, pp. 1-15.
- 18 Mir B. A., Faizan A. and Basit M. (2015). Some Studies on Physical and Mechanical Behavior of Dredged Soil From Flood Spill Channel of Jhelum River Srinagar. In *Proc. of 50th IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT)*, Dec. 17-19, 2015, Pune, Mumbai, Vol. 1, Paper No. 06, pp. 1-12.
- 17 Mir B. A., Basit M. and Faizan A. (2015). Some Studies on Engineering Behavior of Cement Stabilized Dredged Soil from Flood Spill Channel of Jhelum River Srinagar. In *Proc. of 50th IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT)*, Dec. 17-19, 2015, Pune, Mumbai, Vol. 1, Paper No. 08, pp. 1-12.
- 16 Mir B. A. (2014). Geosynthetics Applications in Highway Construction in J & K: Sustainable Infrastructure Development (**Granted Best Paper award**). In *Proceedings of National Conference on Geotechnical Engineering Practice and Sustainable Infrastructure Development "GEPsID-2014"* organised by GNDEC Ludhiana, Punjab, India on October 11-12, 2014, Vol. 1, pp. 10-20.
- 15 Bhat W. A., Jha J. N. and Mir B. A. (2014). Strength Behaviour of Clayey Soil Reinforced with Human Hair as a Natural Fibre. In *Proceedings of National Conference on Geotechnical Engineering Practice and Sustainable Infrastructure Development "GEPsID-2014"* organised by GNDEC Ludhiana, Punjab, India on October 11-12, 2014, Vol. 1, pp. 220-228.
- 14 Gupta K., Jha J. N. and Mir B. A. (2014). Effect of Baggasse Ash Addition as Mixture on Some Properties of Silty Soil. In *Proceedings of National Conference on Geotechnical Engineering Practice and Sustainable Infrastructure Development "GEPsID-2014"* organised by GNDEC Ludhiana, Punjab, India on October 11-12, 2014, Vol. 1, pp. 252-258.
- 13 Choudhary S., Mir B. A. and Jha J. N. (2014). Effect of Pine Needle Stabilization on Strength Behaviour of Clayey Soil. In *Proceedings of National Conference on Geotechnical Engineering Practice and Sustainable Infrastructure Development "GEPsID-2014"* organised by GNDEC Ludhiana, Punjab, India on October 11-12, 2014, Vol. 1, pp. 543-548.
- 12 Mir B. A. (2013). Effect of Fly Ash on Swelling Potential of BC Soil. In *Proceedings of Indian Geotechnical Conference (on Geotechnical Advances and Novel Geomechanical Applications (GANGA), IGC-2013)*, December 22-24, 2013, Roorkee, Vol. 1, Theme-4: Paper No. 120, pp. 1-9.
- 11 Mir B. A. and Shah M. Y. (2013). Need For Dredging and Dredged Material Characterization from Dal Lake Srinagar - An Overview. In *Proceedings of Indian Geotechnical Conference (on Geotechnical Advances and Novel Geomechanical Applications (GANGA), IGC-2013)*, December 22-24, 2013, Roorkee, Vol. 1, Theme-1: Paper No. 39, pp. 1-9.
- 10 Mir B. A. and Shah M. Y. (2013). Effect of Moulding Water Content and Compaction on the Permeability Characteristics of Compacted Soil. In *Proceeding of the National Seminar on Advances in Geotechnical Engineering (AGE-2013)*, June 2013, Vol. 1, pp. 134-139.
- 9 Mir B. A. (2013). Geotechnical characterization of dredged material as an engineered material. In *Proceeding of the National Conference on 'Geotechnical and Geoenvironmental Aspects of Wastes and their Utilization in Infrastructure Projects'* organized by Guru Nanak Dev Engineering College Ludhiana, India, Vol. 1, pp. 235-245.
- 8 Mir B. A. Khan I. F., Ali W. and Bhat I. A. (2012). Experimental Study on the influence of Moulding Water Content on the Permeability Behaviour of Compacted Soil. In *Proceedings of Indian Geotechnical Conference, IGC-2012*, Delhi, Vol. 1, Paper No. A-120, pp. 155-158.
- 7 Mir B. A. and Juneja A. (2012). Permeability and Consolidation Characteristics of Reconstituted Kaolin Clay. In *Proceedings of Indian Geotechnical Conference, IGC-2012*, Delhi, Vol. 1, Paper No. A-119, pp. 151-154.
- 6 Mir B. A. (2012). Effect of Fly Ash as an additive for Stabilization of Soils. In *Proc. of the National Conference on connecting Science and society*, March 2012, Indian Institute of Science Bangalore, Vol. 1, pp. 1-2.
- 5 Mir B. A., Kumar P., Kumar A., Kumar D., Kumar M. and Mazumder M. (2011). Geotechnical evaluation of dredged material from Dal lake as a construction material. In *Proc. of the Golden Jubilee IGC-2011: Geochallenges*, Kochi, Kerala, India, Vol. 2, pp. 725-728.
- 4 Mir B. A. Gupta M., Wani S. A. and Sharma A. (2011). Effect of granular stabilization on the California Bearing Ratio (CBR) behavior of clayey soils. In *Proc. of National Conference on Recent Advances in Ground Improvement Techniques (RAGIT-2011)*, Feb. 2011, CBRI Roorkee, India, Vol. 1, pp. 47-56.
- 3 Juneja A. and Mir B. A. (2013). Effects of Sand Compaction Pile Installation on Surrounding Soft Soil. In *Proc. of National Conference on Recent Advances in Ground Improvement Techniques (RAGIT-2011)*, Feb. 2011, CBRI Roorkee, India, Vol. 1, pp. 1-10.
- 2 Juneja A. and Mir B. A. (2010). Effect of smear on consolidation of sand columns in soft clay sub-soils. In *Proceedings of Indian Geotechnical Conference. IGC-2010: GEOTrendz*, IIT Bombay, Dec. 2010, Vol. II, pp. 641-644.
- 1 Mir B. A. and Juneja A. (2010). Strength behavior of composite ground reinforced with sand columns. In *Proceedings of Indian Geotechnical Conference IGC-2010: GEOTrendz*, IIT Bombay, Dec. 2010, Vol. II, pp. 645-6.

R: Lectures Delivered in International Conferences

15. Delivered International Webinar lecture on Research methodology organized by Universiti Teknologi Mara (UiTM), Malaysia.
14. Keynote on "Environmental Impact from Different Industries: Problems & Solutions" during 1ST Euro-Mediterranean Conference for Environmental Integration (EMCEI-2017), Nov. 24, 2017, Tunisia.
13. Keynote on "Some Studies on Mechanical Behavior of Bottom ash for Sustainable Environment" London, UK.
12. "Some Studies on Geotechnical Characterization of Dredged Soil For Sustainable Development of Dal Lake and Environmental Restoration". International Conference on Researches in Engineering & Technology (ICRET-2015), Bangkok, Thailand
11. "Model Studies on SCP Reinforced Reconstituted Kaolin Clay". International Conf. on Advances in Engineering & Technology (ICAET-2014) organized by Institute of Engineers & Doctors (IREDD) USA in India, May 2014.
10. "Permeability and Consolidation Behavior of Composite Ground Reinforced With Sand Columns". Third International Conf. on Geotech., Const. Mat. & Env., Nagoya, Japan, 2013.
9. "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. "Effect of smear on load capacity of sand Compaction piles". International symposium on ground improvement technologies and case histories (ISGI 2009), Singapore, 2009.
7. "Characterization and Diversion Studies of Dredged Materials and Environmental Restoration". International Conference on Cleaner Technologies & Environmental Management (ICCTEM-2007), Pondicherry Engineering College Pillaichavadi, Pondicherry-605 014, India
6. "Smart Materials and Their Applications in Engineering-A Brief Overview". International Conference on Infrastructure Development on Expansive Soils, Terzaghi's Conference Hall, Erode-638 057, T. N. (Jan-2006)
5. "Problems Associated with Expansive Soils and Stabilization Techniques". International Conference on Infrastructure Development on Expansive Soils, Terzaghi's Conference Hall, Erode-638 057, T. N. (Jan-2006)
4. "Geosynthetic Applications-As a light Weight Material in J&K: An overview". International Conference on Geosynthetics and Geoenvironmental Engineering, (ICGGE), IIT Bombay Powai, Mumbai-400 076, India (Dec-2004)
3. "Slope/Landslide Failures in Road Construction and Proposed Stabilization Techniques in J&K". ASCE-IS & the institution of Civil engineers, UK.
2. "Fly Ash-As an Engineered Construction Material". International Conference on Construction Technology (CONTEC-2003), Universiti Malaysia Sabah, Malaysia (Oct-2003)
1. "Fly Ash-As an additive for stabilization of soils". International Workshop and Conference on Construction Management and Materials (CONMAT-2003), IIT Khargpur (Jan-2003).

S: Lectures Delivered in National Conferences

21. "On Role of Soil Engineering in Civil Engg Practice" SSM College Srinagar, Oct. 2017
20. "On Computer applications in Civil Engg Research work" during 5 days training workshop, NIT Srinagar, July-2017
19. "On Role of Geotechnical Engg. in Civil Engineering field" during 5 days training workshop, NIT Srinagar, June-2017
18. "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. "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 "GEPISID"* held on October 11, 2014, by GNDEC Ludhiana, Punjab, India.
16. 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. Invited Lecture on "Role of Geotechnical Engineering in Civil infrastructure & Development" Guest lecture, Baba Ghulam Shah Badshah University, Rajouri, J&K, Jan. 2014.
14. "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. "Geotechnical evaluation of dredged material from Dal lake as a construction material". Golden Jubilee Indian Geotechnical Conference (*IGC-2011*): Geochallenges, KUST, Kochi, Kerala.
12. "Effects of Sand Compaction Pile Installation on Surrounding Soft Soil". *National Conference on Recent Advances in Ground Improvement Techniques (RAGIT-2011)*.
11. "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. "Strength behavior of composite ground reinforced with sand columns". *Indian Geotechnical Conference (IGC-2010: GEOTrendz, IIT Bombay, Mumbai*
9. "Effect of smear on consolidation of sand columns in soft clay sub-soils". *Indian Geotechnical Conference (IGC-2010: GEOTrendz, IIT Bombay, Mumbai*
8. "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. "Effect of Cement with Lime on the Behavior of Clayey Silt". *Indian Geotechnical Conference, IGC 2006, IIT Madras, Chennai.*
6. "Construction Problems & Solutions for foundations: A review". *National Conference on Civil Engg: Meeting the Challenges of Tomorrow (CEMCT - 2006)*, GND College of Engg, Ludhiana (PB).
5. "Stabilization Effects on Strength Behavior of Dredged Material". *National Conference on Corrective Engineering Practices in Troublesome Soils, JNTU, Kakinada.*
4. "Lime Stabilization Effects on Geotechnical Properties of Dredged Material from Dal Lake in Srinagar". *Indian Geotechnical Conference, IGC 2004, NIT Warangal (AP).*
3. "Effect of Fly ash on Geotechnical Properties of Soils". *National Symposium on Advances in Geotechnical Engineering (NSAGE-2004), IISc Bangalore (July 2004)*
2. "Permeability behavior of Fly ash – BC Soil mixes". *Indian Geotechnical Conference, IGC 2003, IIT Roorkee (UA).*
1. "Compaction behavior of Fly ash – BC Soil mixes". *Indian Geotechnical Conference, IGC 2002, NIT Allahabad (UP).*

T: Short-term Courses/Workshops/Seminars attended-(2010 – 2015)

8. **On- 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).

U: Conferences/Short-Term Courses/Seminars Organized

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, since 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.

V: Selected Consultancy Sponsored Research Activities Handled

Sr. No.	YEAR	ORGANISATION/CLIENT	PROJECT(S)*
86	2022	To be updated.....	
85	2021	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		Ex. Engineer. Jal Shakti Deptt.	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	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 Rakhirth 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 Div. Sgr.	Soil testing of soil for embankment at Shivpora and Stabilization of Right side of embankment of Jehlum at Shivpora.
73			Chief Engineer, PMGSY, Jammu & Kashmir
72	2019	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 Hamag 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 1 st 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, Govt of J&K
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 Bypass 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, J&K	Foundation design for construction of New Retail Out-Let of Bharat Petroleum Corporation Limited at Sarai Dangarpora Sumbal, Kashmir.
45		M/S Power Grid Corp. India, Srinagar	Foundation design for const. of buildings for Power Grid Corp. of India at Srinagar
44	2012	ERA, J&K Govt, Srinagar, Kashmir, Govt of 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 Iron 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, Govt of 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, Govt of J&K	Test Report on Bituminous Material for upgradation of 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, Govt of 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

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, Govt of 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, Govt of J&K	Report of sub-soil investigation for const. of Vijpora inner link Road Sumbal, Kashmir
31		R&B Project Circle Division Srinagar, Govt of J&K	Geotechnical Investigation Report for Foundation Soil of Srinagar N.H, Bye-Pass from Panthachowk to Parimpora Srinagar
30		Hindustan Const. Co. Pvt. Ltd	Laboratory testing report of soil & aggregate samples for Uri – II Hydroelectric Power Project, Hri, Baramulla, J&K
29	2007	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, Govt of 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), Govt of 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		Airport Authority of India, Srinagar, Kashmir	Soil Investigation for const. of Int'l Airport at Srinagar, Kashmir
24		R&B Deptt, Khanabal, Anantnag, Kashmir, Govt of J&K	Soil Investigation for const. of Multi-storey shopping complex near Bus stand, Anantnag, J&K
23	2005	R&B (PWD) Srinagar, Kashmir, Govt of 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, Govt of J&K	Soil investigation for const. of P.H.Cs. at Kachan, Sangam& Babanagri Ganderbal
20		R&B (PWD) Srinagar, Kashmir, Govt of J&K	Testing of Road Materials under “PMGSY” for design of Road pavements for Rural Areas in Kashmir Division.
19	2004	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, Govt of J&K	Testing of Road Materials under “PMGSY” for design of Road pavements for Rural Areas in Anantnag District, Anantnag, Kashmir
16		NHPC (A Govt; of India Enterprise), Uri, Kashmir	Soil investigation for Uri – II Hydroelectric Power Project at Uri, Baramulla, Kmr.
15	2003	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		USHP-II, Kangan, Ganderbal, Srinagar, Govt of J&K	Soil investigations for construction of River Basin at Kangan for USHP-II.
11	2002	J&K State Board of School Education, Srinagar, Govt of J&K	Pile load testing for Const. of Column Structures at Bemina, Srinagar
10		Rural Engineering Wing, Srinagar, Kashmir, Govt of 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, Govt of J&K	Testing of Materials for design of Road pavements
8	1999	Tourism Deptt. Gulmarg, Kashmir, Govt of J&K	Testing of Materials for design of Road pavements
7	1998	HPCL, New Airport Road HyderporaSrinagar, Kashmir (J&K).	Site Plan and Contour Surveying for “LPG” Bottling Plant at Pampore, Kmr.
6		NGHEP, Prang Ganderbal, SrinagarKashmir (J&K).	Soil Testing for a Bridge over Sindh River at Prang Ganderbal, Kashmir.
5	1997	HPCL, New Airport Road HyderporaSrinagar, Kashmir (J&K).	Topographic & Contour Surveying for “LPG” Bottling Plant at Pampore, Kmr.
4		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	1996	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.

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, Danderyd Sweden.

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

- Construction of Residential Quarters at Bella Dam site, Boniyar, Uri, Baramulla, Kashmir,
- Construction of a Culvert of 15 m span.
- Surveying and widening of National Highway.
- Construction of Permanent Polygon Station Points and taking their “GPS” Co-ordinates.
- 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 : National Hydro-Electric Power Corporation Ltd. (A Govt. of India Enterprise) Dul-Hasti, Kishtwar – 182 204,
in/under which Contract is carried. 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 Organsior-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

Date: 03/03/2022


Prof. (Dr.) B. A. Mir
Professor & Head
Geotechnical Engineering Division
Department of Civil Engineering
NIT Srinagar-190006, Kashmir, J&K (I)