



## 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:

- Name : Prof. (Dr.) Bashir Ahmed Mir
- Affiliation : Department of Civil Engineering  
National Institute of Technology  
Hazratbal, Srinagar –006, J&K (INDIA)
- E-Mail : [p7mir@nitsri.net](mailto:p7mir@nitsri.net), [bamiriitb@gmail.com](mailto:bamiriitb@gmail.com), [bashiriisc@yahoo.com](mailto:bashiriisc@yahoo.com)
- URL : <https://www.nitsri.ac.in/Pages/FacultyProfile.aspx?nEmpID=sa&nDeptID=c>
- Passport Number : L 1940298/Srinagar, INDIA (Expiry-10/2023)
- Driving License No. : JK-0120110035833
- Educational Qualifications : Ph. D. (IITB), M. E.\* (IISc), M.B.A.\* (ICM), B.E.\* (UoK)
- 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
- 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)
- Technical Experience : Teaching: > 27 Years (May 20, 1993-to date); Industrial: 1 Year, 7 Mths
- Consultancy : Geotechnical Engineering, Foundation investigations, Ground Improvement, Highway Engg., Construction Materials.
- **Publications at National/ International Level** : > 100 (at National & International Level)
- **Abroad Visits/Lectures delivered:** Australia, Bangkok, China, Japan, Malaysia, Singapore, Italy, Taiwan, Tunisia, UK
- **ORCID ID:** [orcid.org/0000-0002-9360-9223](https://orcid.org/0000-0002-9360-9223)
- **SKYPE:ID :** drbamir
- **Researcher ID:** F-3770-2017
- **Scopus Author ID:** 56519747700
- **Conf. Session chaired / Key Note delivered:**
  11. Delivered International Webinar lecture on Research methodology organized by Universiti Teknologi Mara (UiTM), Malaysia
  10. Delivered Keynote on "Environmental Impact from Different Industries: Problems & Solutions" during 1<sup>ST</sup> Euro-Mediterranean Conference for Environmental Integration (EMCEI-2017), Nov. 24, 2017, Tunisia.
  9. Chaired Technical Session in the 19<sup>TH</sup> International Conf. on Civil, Environmental and Geological Engineering on July 24, 2017, United Kingdom,
  8. Chaired Technical Session in the 50<sup>TH</sup> IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT), in Pune, Dec. 17-19, 2015
  7. Delivered Theme Lecture in the 50<sup>TH</sup> IGC-2015 on Expansive Soils, in Pune, Dec. 17, 2015
  6. Delivered Key Note Lecture in International Conf on Researches in Engineering & Technology in Bangkok, Thailand, Jan. 4, 2015
  5. Chaired a Plenary session In International Conf on Researches in Engineering & Technology in Bangkok, Thailand, Jan. 4, 2015
  4. Chaired a Plenary session in Conf. on Geotechnical Engineering Practice and Sustainable Infrastructure Development on 11/10/2014 in GNDEC, Ludhiana, Punjab, India
  3. 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.
  2. Chaired Technical Session in International Conference on Geotechnique, Construction Materials and Environment, Nagoya, Japan, Nov. 13-15, 2013.
  1. Co-Chaired Technical Session for International Conference on Cleaner Technologies & Environmental Management (ICCTEM-2007).

#### **A. Workshops/Seminars Organized:**

1. **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.
2. **As Convener/Organizing Secretary** for organizing 5 days training workshop on Computer Applications in Civil Engg, w. e. f. June 29-July 03, 2017.
3. **As a core committee member** for organizing 5-days INSPIRE Internships sponsored by DST, GOI, since 2012 to 2015
4. **As Organizing member** for conduct of one day Seminar on "Chemistry: Our life, our future" by Dept. of Chemistry, NIT Srinagar on 15<sup>TH</sup> Nov., 2011.

#### **B. Membership in Scientific and Professional Societies**

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

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

#### **D. Editorial Board Member/ TPC Member for Journals/Conferences:**

1. For World Research Intl. Journal of Civil Engineering (WRJCLE) Since 2014
2. For International Scientific Committee and Editorial Review Board on Civil and Structural Engineering for World Academy of Science, Engineering and Technology since 2014
3. Editorial Board Member-World Journal of Engineering Research and Technology [WJERT] since 2016
4. Editorial Board Member for i-Manager's Journal of Civil Engineering since 2015
5. TPC Member for GEOMATE Technical Program Committee, Japan since 2013
6. TPC Member for International Conference on Test, Measurement and Computational Method (TMCM2015)
7. TPC member for 4<sup>th</sup> International Conference on Geological and Civil Engineering (ICGCE 2017), Malaysia
8. Conference TPC-Chair & TPC member - The United Conference on Architecture, Design, Earth Sciences and Geography (ADESG 2017), China
9. TPC Member for 5<sup>th</sup> 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(1<sup>ST</sup> Floor), Main Faculty Block, Department of Civil Engineering, National Institute of Technology (NIT), Hazratbal, Srinagar-190 006, J&K (INDIA)

E-mail: [p7mir@nitsri.net](mailto:p7mir@nitsri.net), [p7mir@nitsri.ac.in](mailto:p7mir@nitsri.ac.in), [bashiriisc@yahoo.com](mailto:bashiriisc@yahoo.com)/[bamiriitb@gmail.com](mailto: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](mailto:asridhran@yahoo.com), [sridharanasuri@yahoo.com](mailto: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](mailto: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](mailto: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:** 01/03/2021

**Place:** N.I.T. Srinagar

  
(Dr. Bashir Ahmed Mir)

## 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 <sup>TH</sup> Standard	March - 1986	Physics, Chemistry Mathematics	1 <sup>st</sup> . Class
REC, University of Kashmir	B. E.	5 years (1986-1991)	Civil Engineering	(1 <sup>st</sup> . Class)
Institute of chartered Managers (ICM), IAS Academy Chennai	M. B. A.	2 years July 1998-June 2000 (by correspondence)	Business Mgt.	(1 <sup>st</sup> . Class)
Indian Institute of Science, IISc, Bangalore -560 012	M. E.	1½ years (July 2000-DEC. 01)	Geotechnical Engineering.	(1 <sup>st</sup> . 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	S	Outstanding	8
CGPA : Cumulative Grade Point Average			
Maximum : 8.0			

**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**

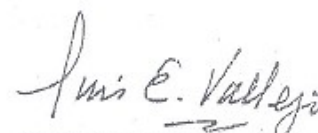
Detailed report on the thesis: (Comment on the salient features of the work reported in the thesis and the basis of the recommendations -

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 Best Paper Award** from SRM Institute of Science and Technology (SRMIST), Kattankulathur, Chennai, India during the 1st International Conference on "Advances in Construction Materials and Management (ACMM 2021)" through virtual mode held on 25th & 26th of March 2021.
- **Honoured with InSc Fellow membership** of InSc International Publishers (IIP) in recognition of Professional Standing-2021.
- **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 VDGGOOD 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 IRED USA during International Conference on Advances in Engineering & Technology (ICAET-2014) May, 2014, India.
- **Recipient of Best Paper Award** from Indian Geotechnical Society Ludhiana during 4TH Terzaghi Oration Lecture (GEP SID 2014) Oct. 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 50<sup>TH</sup> 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 50<sup>TH</sup> 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 15<sup>TH</sup> 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, GECE-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.
16	<b>IEEE Geoscience and Remote Sensing Society (GRSS) New Delhi Section</b>	<b>Sr. Member</b>	<b>Sr.MIEEE#93336651</b>
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	IND18MISSGE-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, Channai	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	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

## **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 for Soil Testing for 5<sup>TH</sup> & 6<sup>TH</sup> Semester students of Civil Engg. to be published by CRC Press UK
2. Prepared up-to-date manual for Surveying Practicals for 3<sup>rd</sup> & 4<sup>th</sup> 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**

**21. Dean, Planning & Development Wing N. I. T. Srinagar since Jul. 2020**

**20. Chairman, DPC, Deptt. of Civil Engineering since Nov. 2019**

**19. Head Geotechnical Engineering Division since Oct. 2018**

**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 NIT Srinagar from Aug. 2015 to Nov. 2019**

**15. Member, Senate Committee, NIT Srinagar since 2015**

**14. PG Coordinator, 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 date

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 (2010-2021)**

<b>Sr. No.</b>	<b>Title of the Paper</b>	<b>Name of Journal/Conference/Publisher</b>	<b>Page Nos., Vol., Issue No &amp; Year</b>
38	Laboratory Study on Geogrid Reinforced Subgrade Strength of Flexible Pavements in Road Construction in J&K	International Journal of Geosynthetics and Ground Engineering, © Springer International Publishing AG 2020, Part of Springer Nature	Under Preparation
37	An experimental study on load settlement behavior of square footing on geogrid reinforced two layer soil system	International Journal of Geotechnical & Geological Engineering. © Springer International Publishing AG 2020, Part of Springer Nature	Under Preparation
37	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.	pp. 1-14; Volume 31-14, April 2021 <a href="https://doi.org/10.1016/j.envc.2021.100031">https://doi.org/10.1016/j.envc.2021.100031</a>
36	Mechanical behaviour of Nano-material (Al <sub>2</sub> O <sub>3</sub> ) Stabilized Soft Soil	International Journal of Engineering (IJE)-Transactions C: Aspects, © MERC 2002-2021	pp. 636-643 Vol. 34, No. 03, March 2021, <a href="https://doi.org/10.5829/IJE.2021.34.03C.07">https://doi.org/10.5829/IJE.2021.34.03C.07</a>
35	Laboratory study on Load-settlement behaviour of shallow foundation on bitumen coated geogrid reinforced soil bed with varying end conditions	International Journal of Innovative Infrastructure Solutions. © Springer International Publishing AG 2020, Part of Springer Nature	pp. 1-12, Vol.6 (2): 80, Published Jan. 12, 2021 <a href="https://doi.org/10.1007/s41062-020-00397-6">https://doi.org/10.1007/s41062-020-00397-6</a>
34	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, © 2020 Informa UK Limited, trading as Taylor & Francis Group.	pp. 1-12, Published online: 04 Dec. 2020 <a href="https://doi.org/10.1080/17486025.2020.1827164">https://doi.org/10.1080/17486025.2020.1827164</a>
33	An Experimental Study on the Bio-cementation and Bioclogging Effect of Bacteria in Improving Weak Dredged	International Journal of Geotechnical and Geological Engineering. © Springer Nature Switzerland AG 2020	pp. 317–334, 39(1), Jan. 2021 (Aug. 04, 2020), <a href="https://doi.org/10.1007/s10706-020-01494-0">https://doi.org/10.1007/s10706-020-01494-0</a>

	Soils		
32	Stabilization of weak dredged soils by employing waste boulder crusher dust-A: Laboratory Study	International Journal of Geotechnical and Geological Engineering. © Springer International Publishing AG 2020, Part of Springer Nature.	pp. 6827–6842, 38(6), Dec. 2020 (July 18, 2020), <a href="https://doi.org/10.1007/s10706-020-01472-6">https://doi.org/10.1007/s10706-020-01472-6</a>
31	A Laboratory-Scale Study on the Bio-cementation Potential of Distinct River Sediments Infused with Microbes	International Journal of Transportation Infrastructure Geotechnology. © Springer Science+Business Media, LLC, part of Springer Nature 2020	pp. 162-185, 8(1), March 2021 (July 13, 2020) <a href="https://doi.org/10.1007/s40515-020-00131-w">https://doi.org/10.1007/s40515-020-00131-w</a>
30	Effect of Microbial Stabilization on the Unconfined Compressive Strength and Bearing Capacity of Weak Soils	International Journal of Transportation Infrastructure Geotechnology, © Springer Science+Business Media, LLC, part of Springer Nature 2020	pp. 59-87, 8(1) March 2021 (Jun. 30, 2020), <a href="https://doi.org/10.1007/s40515-020-00110-1">https://doi.org/10.1007/s40515-020-00110-1</a>
29	Unconfined Compressive Strength Testing of Bio-cemented Weak Soils: A Comparative Upscale Laboratory Testing	Arabian Journal for Science and Engineering. © 2020 Springer Nature Switzerland AG. Part of Springer Nature.	pp. 8145–8157, 45(10), October 2020 (May 2020), <a href="https://doi.org/10.1007/s13369-020-04647-8">https://doi.org/10.1007/s13369-020-04647-8</a>
28	Some studies on microstructural behaviour and unconfined compressive strength of soft soil treated with SiO <sub>2</sub> nanoparticles	Innovative Infrastructure Solutions (2020) 5:34; © Springer International Publishing AG 2020, Part of Springer Nature	pp. 1-12, 5(1):34; April 2020 (05 Mar 2020); <a href="https://doi.org/10.1007/s41062-020-0283-3">https://doi.org/10.1007/s41062-020-0283-3</a>
26	Effect of Biological Cementation on the Mechanical Behaviour of Dredged Soils with Emphasis on Micro-structural Analysis	International Journal of Geosynthetics and Ground Engineering, © Springer International Publishing AG 2019, Part of Springer Nature.	pp. 1-14, 5(4):32, First Online 17 Nov. 2019, <a href="https://doi.org/10.1007/s40891-019-0183-9">https://doi.org/10.1007/s40891-019-0183-9</a>
25	Influence of microbial geo-technology in the stabilization of dredged soils	International Journal of Geotechnical Engineering, © 2019 Informa UK Limited, trading as Taylor & Francis Group, UK	pp. 1-11, 15(2): 2021 (online)18 Jul 2019) <a href="https://doi.org/10.1080/19386362.2019.1643099">https://doi.org/10.1080/19386362.2019.1643099</a>
24	Mechanical behavior of fly ash treated expansive soil	Proceedings of the Institution of Civil Engineers - Ground Improvement, ICE, UK, © ICE Publishing;	pp. 12-24, Vol. 172 Issue 1, Feb. 2019, Published Online: January 23, 2019, <a href="https://doi.org/10.1680/jgrim.16.00024">https://doi.org/10.1680/jgrim.16.00024</a>
23	Strength Behavior of Cement Stabilized Dredged Soil	International Journal of Geosynthetics and Ground Engineering 2018, © Springer International Publishing AG. Part of Springer Nature	pp. 1-14, 4(2): 16, Published Online: May 2018 <a href="https://doi.org/10.1007/s40891-018-0133-y">https://doi.org/10.1007/s40891-018-0133-y</a>
22	Mechanical Behavior of Cement Stabilized Dredged Soil.	Global Journal of Researches in Engineering (E), Print ISSN: 0975-5861, © 2017 Global Journals Inc. (USA)	pp. 42-48, Vol. 17, Issue 4E, Version 1.0, Dec. 2017; <a href="https://engineeringresearch.org/index.php/GJRE/article/view/1711">https://engineeringresearch.org/index.php/GJRE/article/view/1711</a>
21	Smart Materials and Their Applications in Civil Engineering: An Overview.	International Journal of Civil Engineering and Construction Science, © AASCIT, USA	pp.11-20, 4(2), ISSN: 2472-9558, May 2017; <a href="http://www.aascit.org/journal/ijcecs">http://www.aascit.org/journal/ijcecs</a>
20	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,	pp. 1-7, 2(1), Aug. 2017 <a href="http://www.aascit.org/journal/ajceec">http://www.aascit.org/journal/ajceec</a> .
19	Studies on the Mechanical Behavior of Bottom Ash for a Sustainable Environment ( <b>Best paper Award</b> )	International Journal of Civil and Environmental Engineering- ©scholar.waset.org/ Corpus ID: 53310463	pp. 857-863, 11(7), Aug. 2017 International Science Index, <a href="http://dx.doi.org/10.5281/zenodo.1130977">http://dx.doi.org/10.5281/zenodo.1130977</a>
18	Expansive soils: problems and remedial measures	World journal of Engineering Research and Technology (Impact Factor=3.419)	pp. 146-162 , Vol. 2, Issue 5, (2016)
17	Some Studies on Physical and Mechanical Behavior of Dredged Soil from Flood Spill Channel of Jhelum River, Srinagar	Acta Ingenieria Civil 2016; © Lawrence press 2016	pp.:1–7, 1(1), July 2016, DOI: <a href="http://dx.doi.org/10.20936/AICV/160101">http://dx.doi.org/10.20936/AICV/160101</a>
16	Model Studies on Shear Behavior of Reinforced Reconstituted Clay	International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering- -waset.org/Publication/10003706	pp. 87-94 10(1), Jan. 2016, International Science Index Journal, <a href="http://doi.org/10.5281/zenodo.1111655">http://doi.org/10.5281/zenodo.1111655</a>
15	Strength Behavior Of Clayey Soil Reinforced With Human Hair As A Natural Fibre	International Journal of Geotechnical & Geological Engineering, Springer, Netherland, © Springer International Publishing 2016	pp. 411-417, 34(1), Feb. 2016 (Nov. 19, 2015) <a href="https://doi.org/10.1007/s10706-015-9953-x">https://doi.org/10.1007/s10706-015-9953-x</a>
14	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	pp. 203-212, 13(3&4B), September & December 2015, <a href="https://doi.org/10.22068/IJCE.13.3.203">https://doi.org/10.22068/IJCE.13.3.203</a>
13	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 2013-2015	PP. 04-09, Special Issue 12, Jan-Feb 2015, Corpus ID: 173987536
12	Geosynthetics Applications In Highway Construction In J&K: Sustainable Infrastructure Development	Journal on Structural Engineering: State-of-the-art and State -of- Practice in Structural Engg.	pp. 1-9, 3(3), Nov. 2014, <a href="https://doi.org/10.26634/jste.3.3.3060">https://doi.org/10.26634/jste.3.3.3060</a>
11	Model Studies on SCP Reinforced Reconstituted Kaolin Clay ( <b>BEST PAPER AWARD</b> )	International Journal of Civil and Structural Engineering– IJCE, © IRED, USA	PP. 27-31 1(3), Sept. 2014 Electronic ISSN : 2372-3971
10	Comparative Study on Load-Settlement Behavior of Shallow Footings on Dredged Material underlain by a Rigid Base	World Research Journal of Civil Engineering (WRJCLE), E-ISSN : 2277-5994, © 22014 Bioinfo Publications	pp. 34-38, 3(1), July 2014, DOI : 10.9735/2277-5986.3.1
09	Permeability and Consolidation Behavior of Composite Ground Reinforced with Sand Columns	International Journal of Geotechnique, Construction Materials and Environment (GEOMATE) Japan, © 2011-2020, The	pp. 832-839, 6(2), (Sl. No. 12), June 2014, <a href="https://doi.org/10.21660/2014.12.3343">https://doi.org/10.21660/2014.12.3343</a> Corpus ID: 127505545

		Geomate International Society.	
08	Volume Change Behavior of Clayey Soil-Fly Ash Mixtures	International Journal of Geotechnical Engineering, Maney Publishing, Inc., USA	pp. 72-83(8), Jan. 2014, <a href="https://doi.org/10.1179/1939787913Y.000000004">https://doi.org/10.1179/1939787913Y.000000004</a>
07	Physical and Compaction Behavior of Clay Soil-Fly ash Mixtures	International Journal of Geotechnical & Geological Engineering. © Springer Netherland	pp.1059-1072, 31(4), August 2013, <a href="https://doi.org/10.1007/s10706-013-9632-8">https://doi.org/10.1007/s10706-013-9632-8</a> , Corpus ID: 129239819,
06	Strength Behavior of Dredged Material from Dal Lake Srinagar	International Journal of Civil Engineering and Applications, USA, © Research India Publications.	pp. 47-51, Vol. 3, No. 7, (Special Issue-2013)
05	Physical and Compaction Behavior of Dredged Material from Dal Lake Srinagar	International Journal of Civil Engineering and Applications, USA	pp. 4-8, Vol. 3, No. 7, (Special Issue-2013)
04	Effect of the smear zone around SCP improved composite samples tested in the laboratory	International Journal of Geomechanics © ASCE, USA, ©ASCE	pp. 16-25, 13(1), Feb. 1, 2013, <a href="https://doi.org/10.1061/(ASCE)GM.1943-5622.0000169">https://doi.org/10.1061/(ASCE)GM.1943-5622.0000169</a> ,
03	Behavior of clay reinforced by sand compaction pile with smear	International Journal of Ground Improvement, Thomas Telford Ltd., UK, © ICE Publishing 2012	pp. 111-124, 165(2), May 2012, <a href="https://doi.org/10.1680/grim.10.00020">https://doi.org/10.1680/grim.10.00020</a>
02	Effect of sand Compaction piles installation in model clay beds	International Journal of Geotechnical Engineering, J. Ross Publishing, Inc., USA, ©J. Ross Publishing, Inc.	pp. 199-209, 5(2), April 2011, <a href="https://doi.org/10.3328/IJGE.2011.05.02.199-209">https://doi.org/10.3328/IJGE.2011.05.02.199-209</a>
01	Behavior of marine clays containing seashell fragments under undrained triaxial loading	International Journal of Geotechnical Engineering, J. Ross Publishing, Inc., USA, ©J. Ross Publishing, Inc.	pp.565-571, 4(4), Dec. 2010, <a href="https://doi.org/10.3328/IJGE.2010.04.04.565-571">https://doi.org/10.3328/IJGE.2010.04.04.565-571</a>

### O: Selected Publications in International Conferences/Symposiums etc.

Sr. No.	Title of the Paper	Name of Conference/Publisher	Page Nos., Vol., Issue No & Year
25	Experimental study of behavior of geosynthetic reinforced two layer foundation system	In Procc. of 16 <sup>th</sup> Asian Regional Conference on Soil Mechanics and Geotechnical Engineering (16ARC), Taipei, Taiwan.	Paper ID: IGS-015, pp. 1-4, Oct. 14-18, 2019
24	Laboratory Study on the Strength Parameters and the Micro-Structural Behavior of Bio-Cemented Dredged Soil	In Procc. of 2 <sup>nd</sup> 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, July 2019
23	Essence of In-situ soil Testing for Geotechnical Site Characterization	In Procc. of International Society f or Soil Mechanics and Geotechnical Engineering (ISSMGE) Workshop on Ground Property Characterization from In-Situ Tests	Paper ID: TC-102, pp. 1-2 (2019)
22	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 (2018)
21	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, (2018)
20	Some Model Studies on Reinforced Dredged Soil for Sustainable Environment.	In Proceedings of 1 <sup>st</sup> Euro-Mediterranean Conference for Environmental Integration, November 22-25 2017, Sousse, Tunisia, DOI- <a href="https://doi.org/10.1007/978-3-319-70548-4_494">https://doi.org/10.1007/978-3-319-70548-4_494</a>	pp. 197-1700, © Springer International Publishing AG, Part of Springer Nature.
19	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.	pp. 386-406 , <a href="https://doi.org/10.1007/978-3-319-61612-4_32">https://doi.org/10.1007/978-3-319-61612-4_32</a> , © 2017 Springer International Publishing AG. Part of Springer Nature.
18	Model studies on shear behavior of reinforced reconstituted clay	Procc. of 18 <sup>th</sup> ICCCE-2016: International Scholarly and Scientific Research & Innovation: International Science Index-waset.org/abstracts/35225, Jeddah, KSA,	Paper Code: 16SA01000031, Vol:3, No:1, Jan. 26-27, 2016
17	Some studies on the behavior of sugarcane bagasse ash admixed with cement stabilized soil	In Procc. of International Conference on Soil and Environment, ICSE 2016, Bangalore	Paper ID: 010sw, (TS-06), Vol. 1, pp. 1-8 (2016)
16	Bottom Ash - as an Engineered Construction Material for Sustainable Environment	In Procc. of International Conference on Soil and Environment, ICSE 2016, Bangalore	Paper ID: 009sw, (TS-06), Vol. 1, pp. 1-9 (2016)
15	Some studies on the mechanical and CBR behavior of dredged material admixed silty soil	In Procc. of International Conference on Soil and Environment, ICSE 2016, Bangalore	Paper No. 011ss, (TS-1), Vol.1, pp. 1-8
14	Some studies on mechanical behavior of stabilized dredged soil for sustainable environment	International Geotechnical Engineering Conference on Sustainability in Geotechnical Engineering Practices and Related Urban Issues, September 23-24, 2016, Mumbai, India	Th04-pp. 1-4, Paper ID: 66, 2016
13	On Innovative Technique for Stabilization of Hilly Slopes in J&K: A Review	Proceedings of 6 <sup>th</sup> International Geotechnical Symposium on Disaster Mitigation in Special Geoenvironmental Conditions, IIT Madras, Chennai, India	pp. 513-516, Paper ID: 7-13, January 21-23, 2015
12	Some Studies on Geotechnical characterization of Dredged Soil for Sustainable Development of Dal Lake and Environmental Restoration	Proceedings of the Int'l. Conf. on Researches in Engineering & Technology (ICRET-2015), Bangkok, Thailand	pp. 1-6, Paper ID: GIC I4 1305 1, Jan. 3-4, 2015
11	Experimental Study on Some Physical and Mechanical Properties of Bemina Soil, Srinagar	The Int'l. Conf. on Sustainable Civil Infrastructure (ICSCI-2014) © ASCE India Section, Oct.17-18, 2014, Hitex, Hyderabad, Telangana, India	pp. 472-481, Vol. 1, Oct. 2014
10	Constructive Use of Fly Ash as a Cementitious Material in Concrete Technology	Procc. of the Int'l. Conf. on Structural Engineering and Mechanics (ICSEM-2013), December 20-22, 2013, Rourkela, India	Dec. 2013

9	Permeability and Consolidation Behavior of Composite Ground Reinforced With Sand Columns	Proc. of the Third the Int'l. Conf. on Geotechnique, Construction Materials and Environment, Nagoya, Japan, Nov. 13-15, 2013,	pp. 304-309, C3051, Nov. 2013	Vol. 3(1),
8	Effect of Smear on Strength Behavior of SCP-Reinforced Soft Ground	Proceedings of the 18 <sup>th</sup> International Conference on Soil Mechanics and Geotechnical Engineering, Paris 2013	pp.2561-2564, Vol. 1, 2013	TC211, Sept.
7	Strength Behavior of Dredged Material from Dal Lake Srinagar	Proc. of the Int'l. Conf. on "Sustainable Innovative Techniques in Civil and Environmental Engineering" (SITCEE - 2013) Jawaharlal Nehru University, New Delhi	pp. 47-51, Vol. 1, June 2013	
6	Physical and Compaction behavior of Dredged material from Dal Lake Srinagar	Proc. of the Int'l. Conf. on "Sustainable Innovative Techniques in Civil and Environmental Engineering" (SITCEE - 2013) Jawaharlal Nehru University, New Delhi	pp. 4-8, Vol. 1, June 2013	
5	Compressibility Behavior of Soft Clays Reinforced with Sand Columns	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). Published by Research Publishing.; ISBN: 978-981-07-4948-4	pp.1-6, May 2013	Paper No: 292,
4	Compressibility and strength behavior of soft clays reinforced with sand compaction piles	Proc. of the Int'l. Conf. on Geotechnical Engineering., ICGE-2013, Tunisia	pp. 421 – 431, Vol. 1, Feb. 2013	
3	Consolidation Behavior of Composite Ground Reinforced With Sand Columns	The Int'l. Conf. on Ground Improvement and Ground Control (ICGI 2012), Paper ID: 8140, University of Wollongong, Australia.	pp. 431 – 437, Vol. 1, Nov. 2012	
2	Some Mechanical Properties of Reconstituted Kaolin Clay	Proc. of the 17 <sup>th</sup> Southeast Asian Geotechnical Conference Taipei, Taiwan.	pp. 145-148, Vol. 1, May 2010	
1	Effect of smear on load capacity of sand compaction piles	Proc. of the Int'l. symposium on ground improvement technologies and case histories (ISGI 2009), ©Research Publishing Singapore (2009).	pp.509-514, Vol. 1, Dec. 2009	

### P: Selected Publications in National Conferences/Symposiums etc.

Sr. No.	Title of the Paper	Name of Conference/Publisher	Page Nos., Vol., Issue No & Year
29			
28	A Laboratory Study on the Mechanical Behaviour of Dredged Soil Admixed with Waste Rubber Tyre Powder and Cement	<i>Proceedings of Indian Geotechnical Conference, IGS Surat, India, © Springer Nature Singapore Pte Ltd. 2019</i>	pp. 1-9, © Springer International Publishing AG 2019; Paper ID: TH-03-252
27	Physical and Mechanical Behaviour of Dredged Soil acquired from Dal Lake-A Laboratory Study	<i>Proceedings of Indian Geotechnical Conference, IGS Surat, India, © Springer Nature Singapore Pte Ltd. 2019</i>	pp. 1-12, © Springer International Publishing AG 2019; Paper ID: TH-04-80
26	Load-settlement behavior of surface footing on reinforced stiff soil layer overlying soft soil	<i>Proceedings of Indian Geotechnical Conference 2018, December 13-15, 2018, IGS Bangalore, India, © Springer International Publishing AG 2018</i>	Paper ID: TH-02-30, Vol. 1, pp. 1-6, 2018
25	Influence of nano-materials on compaction and strength behaviour of clayey soils	<i>Proceedings of Indian Geotechnical Conference 2018, December 13-15, 2018, IGS Bangalore, India, © Springer International Publishing AG 2018</i>	Paper ID: TH-01-37, Vol.1, pp. 1-10, 2018
24	Mechanical behavior of boulder crusher dust stabilized dredged soil	<i>Proceedings of Indian Geotechnical Conference 2018, December 13-15, 2018, IGS Bangalore, India, © Springer International Publishing AG 2018</i>	Paper ID: TH-08-07, Vol.1, pp. 1-8, 2018
23	Mechanical Behavior of Lime Stabilized Dredged Soil.	<i>Proceedings of Indian Geotechnical Conference 2017 GeoNEst 14-16 December 2017, © Springer International Publishing AG 2017</i>	Th09_281, pp. 1-4, IIT Guwahati, India, 2017
22	Evaluation of effect of Stiffness and Orientation of Reinforcement on the Shear Strength of Sand.	<i>Proceedings of Indian Geotechnical Conference 2017 GeoNEst 14-16 December 2017, © Springer International Publishing AG 2017</i>	Th11_465, pp. 1-4, IIT Guwahati, India, 2017
21	Some Studies on the Performance Behavior of Stabilized Dredged Soil as Highway Construction Material.	<i>Proceedings of Indian Geotechnical Conference 2017 GeoNEst 14-16 December 2017, © Springer International Publishing AG 2017</i>	Th13_452, pp. 1-4, IIT Guwahati, India, 2017
20	Role of Gliment as an additive on the CBR Behavior of Kerewa Soils.	<i>Proceedings of Indian Geotechnical Conference 2017 GeoNEst 14-16 December 2017, © Springer International Publishing AG 2017</i>	Th09_579, pp. 1-4, IIT Guwahati, India, 2017
19	Some Studies on Engineering Behavior of Cement Stabilized Dredged Soil from Flood Spill Channel of Jhelum River Srinagar	Proc. of 50 <sup>TH</sup> IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT), Pune, Mumbai	pp. 1-10, Paper No. 08, Vol. 1, Dec. 17-19, 2015
18	Some Studies on Physical And Mechanical Behavior of Dredged Soil From Flood Spill Channel of Jhelum River Srinagar	Proc. of 50 <sup>TH</sup> IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT), Pune, Mumbai	pp. 1-10, Paper No. 06, Vol. 1, Dec. 17-19, 2015
17	Challenges Associated with Expansive Soils and Remedial Measures (Theme paper)	Proc. of 50 <sup>TH</sup> IGC-2015 on Geotechnics for Infrastructure & Foundation Techniques (GIFT), Pune, Mumbai	pp. 1-10, Paper No. 02, Vol. 1, Dec. 17-19, 2015
16	Geosynthetics Applications in Highway Construction In J & K: Sustainable Infrastructure Development ( <b>Granted Best Paper award</b> )	Proceedings of National Conference "GEPESID" held on October 11-12, 2014, by GNDEC Ludhiana, Punjab, India	pp. 10-20, Vol. 1, Oct. 2014
15	Strength Behaviour of Clayey Soil Reinforced with Human Hair as a Natural Fibre	Proceedings of National Conference "GEPESID" held on October 11-12, 2014, by GNDEC Ludhiana, Punjab, India	pp. 220-228, Vol. 1, Oct. 2014
14	Effect of Baggasse Ash Addition as Mixture on Some Properties of Silty Soil	Proceedings of National Conference "GEPESID" held on October 11-12, 2014, by GNDEC Ludhiana, Punjab, India	pp. 252-258, Vol. 1, Oct. 2014
13	Effect of Pine Needle Stabilization on Strength Behaviour of Clayey Soil	Proceedings of National Conference "GEPESID" held on October 11-12, 2014, by GNDEC Ludhiana, Punjab, India	pp. 543-548, Vol. 1, Oct. 2014
12	Effect of Fly Ash on Swelling Potential of BC Soil	Proceedings of Indian Geotechnical Conference (on Geotechnical Advances and Novel Geomechanical Applications (GANGA), IGC-2013) December 22-24, 2013, Roorkee	pp. 1-9, Vol. 1, Theme-4: Paper No. 120, 2013
11	Need For Dredging And Dredged Material Characterization From Dal Lake Srinagar—An Overview	Proceedings of Indian Geotechnical Conference (on Geotechnical Advances and Novel Geomechanical Applications (GANGA), IGC-2013) December 22-24, 2013, Roorkee	pp. 1-9, Vol. 1, Theme-1: Paper No. 39, 2013



10	Effect of Moulding Water Content And Compaction on the Permeability Characteristics of Compacted Soil	Proceeding of the National Seminar on Advances in Geotechnical Engineering (AGE-2013) June 2013	pp. 134-139, Vol. 1, June. 2013
9	Geotechnical characterization of dredged material as an engineered material	Proceeding of the National Conference on 'Geotechnical and Geoenvironmental Aspects of Wastes and Their Utilization in Infrastructure Projects', Guru Nanak Dev Engineering College Ludhiana, India	pp. 235-245, Vol. 1, Feb. 2013
8	Experimental Study on the influence of Moulding Water Content on the Permeability Behaviour of Compacted Soil	Proceedings of Indian Geotechnical Conference, IGC-2012, Delhi (Paper No.A-120)	pp. 155-158, Vol. 1, Dec. 2012
7	Permeability and Consolidation Characteristics of Reconstituted Kaolin Clay	Proceedings of Indian Geotechnical Conference, IGC-2012, Delhi (Paper No.A-119)	pp. 151-154, Vol. 1, Dec. 2012
6	Effect of Fly Ash as an additive for Stabilization of Soils	Procc. Of the National Conference on connecting Science and society, Indian Institute of Science Bangalore, March 2012	pp. 1-2, Vol. 1, March 2012
5	Geotechnical evaluation of dredged material from Dal lake as a construction material	Procc. Of the Golden Jubilee IGC-2011: Geochallenges, Kochi, Kerala, India.	pp. 725-728, Vol. 2, Dec. 2011
4	Effect of granular stabilization on the California Bearing Ratio (CBR) behavior of clayey soils	Procc. of National Conference on Recent Advances in Ground Improvement Techniques (RAGIT-2011), CBRI Roorkee, India	pp. 47-56, Vol. 1, Feb. 2011
3	Effects of Sand Compaction Pile Installation on Surrounding Soft Soil	Procc. of National Conference on Recent Advances in Ground Improvement Techniques (RAGIT-2011), CBRI Roorkee, India	pp. 1-10, Vol. 1, Feb. 2011
2	Effect of smear on consolidation of sand columns in soft clay sub-soils	Proceedings of Indian Geotechnical Conference. IGC-2010: GEOTrendz, IIT Bombay	pp.641-644, Vol. II, Dec. 2010
1	Strength behavior of composite ground reinforced with sand columns	Proceedings of Indian Geotechnical Conference IGC-2010: GEOTrendz, IIT Bombay	pp.645-6, Vol. II, Dec. 2010

### BOOK CHAPTERS: 2018-20

Sl. No.	Name of the staff Member	Title of the Book Chapters	Book/Publisher etc, where published	Date of Publication
1	B. A. Mir	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; Print ISBN: 978-3-319-61611-7	pp. 386-406, Chp No. 32, March 2018; <a href="https://doi.org/10.1007/978-3-319-61612-4_32">https://doi.org/10.1007/978-3-319-61612-4_32</a>
2	B. A. Mir, Basit M. Shah, and Faizan A. Shah	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.), Print ISBN: 978-3-319-70547-7	pp. 1697-1700, Chp No. 94, © Springer International Publishing AG 2018, March 2018, DOI- <a href="https://doi.org/10.1007/978-3-319-70548-4_494">https://doi.org/10.1007/978-3-319-70548-4_494</a>
3	B. A. Mir and Saba. Ashraf	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, Print ISBN978-3-030-01922-8	pp. 103–126, Chp.9, 2019 © Springer International Publishing AG 2019; <a href="https://doi.org/10.1007/978-3-030-01923-5_9">https://doi.org/10.1007/978-3-030-01923-5_9</a>
4	B. A. Mir and R. Shah	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; Print ISBN978-3-030-01943-3	pp. 137–151, 2019, Chp. 11, © Springer International Publishing AG 2019; <a href="https://doi.org/10.1007/978-3-030-01944-0_11">https://doi.org/10.1007/978-3-030-01944-0_11</a>
5	Obaid Q. Jan and B. A. Mir	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, Print ISBN978-3-030-01916-7	pp. 132–153, 2019, Chp. 11, © Springer International Publishing AG 2019 <a href="https://doi.org/10.1007/978-3-030-01917-4_11">https://doi.org/10.1007/978-3-030-01917-4_11</a>
6	B. A. Mir	Laboratory study on the effect of plastic waste additive on shear strength of marginal soil	In Book: Sustainable Civil Engineering Practices. In Varinder S. Kanwar, Sanjay Kumar Shukla (Eds): 1510 Springer Nature Singapore Pte Ltd; ISBN: 978-981-15-3676-2	pp. 1-12, Chp. No. 10, © Springer International Publishing AG 2020 <a href="https://doi.org/10.1007/978-981-15-3677-9_10">https://doi.org/10.1007/978-981-15-3677-9_10</a>
7	B. A. Mir and H. P. Reddy	Enhancement in Shear Strength Characteristics of Soft Soil by Using Nanomaterials	In Book: Sustainable Environment and Infrastructure edited by Krishna R. Reddy, Arvind Kumar Agnihotri, Yeliz Yukselen Aksoy, Brajesh Kumar Dubey, and Ajay Bansal India, ISBN: 978-3-030-51354-2	pp. 1-12, Chp. No. 39, © Springer International Publishing AG 2020, Part of Springer Nature <a href="https://doi.org/10.1007/978-3-030-51350-4_39">https://doi.org/10.1007/978-3-030-51350-4_39</a>
8	B. A. Mir and K.M.N.Saquib Wani	Mechanical Behavior of Boulder Crusher Dust (BCD)-Stabilized Dredged Soil	In Book: Problematic Soils and Geoenvironmental Concerns, Editors: Latha Gali, Madhavi, P., Raghuvver Rao (Eds.)	Chp. No. 35, ©Springer, Singapore 2020, <a href="https://doi.org/10.1007/978-981-15-6237-2_35">https://doi.org/10.1007/978-981-15-6237-2_35</a>

### Q: 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 1<sup>ST</sup> 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 (IRED) 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)

## **R: 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 50<sup>TH</sup> 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 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).

### **S: 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 13<sup>TH</sup> Oct. 2012.
4. **One - day** Workshop on Role of Mathematics in Science, Engineering and Technology organized by Dept of Math, NIT Srinagar on 26<sup>TH</sup> 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: Conferences/Short-Term Courses/Seminars Organized**

5. **As Convenenor/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 Convenenor/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 15<sup>TH</sup> Nov., 2011.
1. **On Editorial Board** for conduct of 30<sup>TH</sup> 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.

### **U: Selected Consultancy Sponsored Research Activities Handled**

Sr. No.	YEAR	ORGANISATION/CLIENT	PROJECT*
69	2019-20	<b>To be updated</b>	
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 Tangecheck, 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 <sup>ST</sup> 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 Feedback 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	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 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		Executive Engineer, R&B Const. No. I, Srinagar, Govt of J&K	Divn. Test Report on Tar Material for Upgradation of Gali Kadal Zonimar Road, Srinagar, Kashmir, J&K.
39	2011	M/S Irshad Ahmad Khan, Pvt. Ltd, Kashmir	Baramulla, 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 Srinagar, Govt of J&K	Sub. . Divn. 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	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, 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 of J&K	Srinagar, Govt 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, 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 Sheikhabagh, 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, Govt of J&K	Soil Investigation for const. of Multi-storey shopping complex near Bus stand, Anantnag, J&K

23		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	2004	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		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	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, Govt of J&K	Soil investigations for construction of River Basin at Kangan for USHP-II.
11		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 Hyderpora Srinagar, Kashmir (J&K).	Site Plan and Contour Surveying for "LPG" Bottling Plant at Pampore, Kmr.
6	1997	NGHEP, Prang Ganderbal, Srinagar Kashmir (J&K).	Soil Testing for a Bridge over Sindh River at Prang Ganderbal, Kashmir.
5		HPCL, New Airport Road Hyderpora Srinagar, Kashmir (J&K).	Topographic & Contour Surveying for "LPG" Bottling Plant at Pampore, Kmr.
4	1996	M.E.S., 864 Er. Wks. Section C/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.

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

Nature of Work : Construction 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 (1992-1993).

### **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 : National Hydro-Electric Power Corporation Ltd. (A Govt. of India Enterprise)  
in/under which Contract is carried. 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 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: 01/03/2021

  
Dr. B. A. Mir