

CURRICULUM VITAE

I. Name: Dr. Kaushik Bandyopadhyay

II. Present Designation: Professor

III. Correspondence Address:

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VI. Technical Qualifications:

Degree	University	Year of passing	Class
Bachelor of Civil Engineering	Jadavpur University	1989	I
Master of Civil Engineering in Soil Mechanics and Foundation Engineering under the guidance of Prof. Dr. Nitin Som.	Jadavpur University	1993	I
Doctor of Philosophy in Engineering under the guidance of Prof. Dr. Nitin Som.	Jadavpur University	2003	Degree only.

VII. Visiting assignments

- Delivered A Seminar Presentation and An Invited Talk at the Civil & Materials Engg. Deptt., **University of Illinois at Chicago, Chicago, USA** in the year 2004. Visited the Geotechnical and Environmental Engg. laboratory of the same Institute and gathered research experience under the guidance of Prof. **Krishna Reddy**, Professor of Civil & Environmental Engg. of the same Institute.
- Visited the **Manhattan College, New York, USA** as a guest faculty in the year 2004.
- Chaired two technical sessions at the **19th International Conference on Solid Waste Technology and Management** held in **Philadelphia, USA** in 2004.
- Delivered an Invited Talk on Landfill Liners at the Civil Engg. Deptt., **Widener University, PA, USA** in the year 2004.
- Given a Seminar Presentation at the Civil Engg. Deptt., **National University of Singapore, Singapore, Singapore** in the year 2006 and undergone training on land reclamation under the guidance of **Prof. Tan Thiam Soon and Prof. C.F. Leung** of the same Institute.
- Visited the Land Reclamation site of Singapore near **Changi Ferry terminal, Singapore** as a member of the technical team from **National University of Singapore, Singapore**, in the year 2006.
- Visited the **Tropical Marine Science Institute (TMSI), Singapore** as an invited guest faculty in the year 2006.

- Given a Seminar Presentation at the Civil Engg. Deptt., **Tokyo Institute of Technology, Tokyo, Japan** in the year 2007 hosted by **Prof. Anil C. Wijeyewickrema (Anil Lab)** as part of visiting scholar assignment.
- Undergone training as part of joint collaborative work between **Tokyo Institute of Technology** and **Port and Airport Research Institute, Tokyo, Japan** under the guidance of **Prof. Jiro Takemura, Prof. Kusakabe** and **Dr. Watabe** in the year 2007.
- Visited the **Yokohama National University, Tokyo, Japan** as an invited guest faculty in the year 2007.
- Visited the **University of Tsukuba, Tsukuba, Japan** as an invited guest faculty in the year 2007.
- Visited the Port and Airport Research Institute's site at **Haneda airport extension site, Tokyo** as a member of the technical team from Tokyo Institute of Technology, **Tokyo, Japan** in the year 2007.
- Visited the Land Reclamation site of **Haneda airport on Tokyo Bay** as a member of the technical team from Tokyo Institute of Technology, **Tokyo, Japan** in the year 2007.
- Attended and presented a paper in the **14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering** held in **Hong Kong, China** in the year 2011.
- Visited the **Hong Kong Polytechnic Institute, Hong Kong** as an invited guest faculty in the year 2011.
- Attended and presented a paper in the **18th International Conference on Soil Mechanics and Geotechnical Engineering** held in **Paris, France** in the year 2013.

- Undertaken training on DMT and SDMT Flat Dilatometer equipment under the guidance of **Prof. S. Marchetti** at **Studio Prof. Marchetti S.r.l., Rome , Italy** in the year 2013.
- Undergone training on penetrometer TG 63-150 equipment under **PAGANI Geotechnical Equipment, Calendasco, Piacenza Italy** in the year 2014.

VIII. **Experience Profile :**

	Name of the employer	Designation	Type of work	Duration	
				From	To
(a) Academic	Jadavpur University	Professor	Teaching (UG & PG), Project work, Research and consultancy services	11.09.2009	Till Date
	Jadavpur University	Reader	Teaching (UG), Project work, Research and consultancy services	11.09.2001	11.09.2009
	Jadavpur university	Sr. Lecturer	Teaching (UG), Research and consultancy services	06.11.2000	11.09.2001
	Jadavpur university	Lecturer	Teaching (UG), Research and consultancy services	06.11.1995	06.11.2000

	Name of the employer	Designation	Type of work	Duration	
				From	To
(b) Industrial	National Insulated Cable Co. of India Ltd., 2, Hare St., Kolkata – 700 001.	Engineering Graduate Trainee	Planning, design, supervision and execution of various industrial Strs., Preparation of Geotechnical investigation report for various projects.	28.08.1989	22.05.1990
	Superintendence Co. of India Pvt. Ltd., Everest House, 46C, Chowringhee Road, Kolkata – 700 071.	Engineer	Soil Exploration work, Laboratory tests of soil, Preparation of complete soil report, Pile foundation work, Land Survey etc.	01.06.1990	31.08.1991
(c) Research	Jadavpur University	Senior Research Fellow	Conducted research on Environmental Geotechnique and Soil Grouting having received Fellowship from the Council of Scientific and Industrial Research, Pusa, New Delhi – 110 012.	06.12.1993	05.11.1995

	Name of the employer	Designation	Type of work	Duration	
				From	To
(d) Administrative /others	Jadavpur University	Regularly teaching in the Part-Time Civil Engg. Evening Course	Teaching subjects like Design of Concrete & Metal Strs., Soil Mechanics, Advanced Soil Mechanics, Higher Surveying & Photogrammetry, Quantity Survey, Laboratory classes on Soil Mechanics& Sessional Classes, Field Survey etc.	22.08.1996	Till Date

IX. Courses Completed (ABROAD):

Type of course	Title	Year	Place	Sponsor
Theoretical and On-site Training Course	SDMT- Seismic Dilatometer Marchetti Training Course	2013	Studio Prof. Merchatti, via Bracciano, 38- int.8, 00189, Rome, Italy.	World Bank funded Technical Education Quality Improvement Programme (TEQIP)
One-month Advanced Training Course	Individual advance training on the use of advanced software OPENSEES to analyze the non-linear behavior of reinforced concrete structures which are impacted by tsunami water-bourne massive objects and also to model soil-foundation- structure-interaction due to scouring of foundations during tsunami.	2007	Deptt. of Civil Engg., Tokyo Institute of Technology, Tokyo, Japan	World Bank funded Technical Education Quality Improvement Programme (TEQIP)
One-month Advanced Training Course	Individual advance training on the application of centrifuge model experiments in land reclamation, waste disposal and soil characterization.	2006	Deptt. of Civil Engg., National University of Singapore, Singapore	World Bank funded Technical Education Quality Improvement Programme (TEQIP)
Advanced Training Course	Individual advanced theoretical as well as laboratory training on Electrochemical remediation	2004	Deptt. of Civil & Materials Engg., University of Illinois at Chicago, Chicago,	All India Council for Technical Education,

Type of course	Title	Year	Place	Sponsor
	technologies for polluted soils, sediments and groundwater.		USA	Department of Science & Technology.
In India:				
Workshop	Finite Element Analysis of Stiffened Structures under Prof. Madhujit Mukhopadhyay.	1999	Indian Institute of Technology, Kharagpur	Workshop
Refresher Course	Quality Construction	2005	Jadavpur University, Kolkata	Department
Refresher Course	Concrete Mix Design	2005	Jadavpur University, Kolkata	Department
Refresher Course	Entrepreneurship Teacher for NFTE Comprehensive Programme	2001	I CREATE, Kolkata	I CREATE & NFTE
Three weeks Refresher Course	Membrane Separation Process	2001	Jadavpur University, Kolkata	UGC
Training	Workshop on Administrative	2006	Jadavpur University,	UGC

Type of course	Title	Year	Place	Sponsor
Course	Practices		Kolkata, India	
Refresher Course	AICTE-Induction Training Programme	1999	Jadavpur University, Kolkata	AICTE
Refresher Course	High Performance Concrete	1997	Attended & Organized	Jadavpur University, Kolkata

X. Fellowships / Honour/Awards :

Name	Name and address of Organisation	Purpose	Year
Gold Medal	Institution of Engineers (India)	Nawab Zain Yar Jung Bahadur Memorial Prize for best paper entitled "Adsorption of Cd using fly Ash: Equilibrium & Kinetic Study", published in the Journal of Institution of Engineers (India) during 2009-2010, Published in Dec. 2010.	Gold Medal
International Travel Grant	All India Council for Technical Education & Department of Science	To attend the 19 th International Conference on Solid Waste Technology and Management held in Philadelphia, U.S.A. in the year 2004.	

	and Technology		
International Travel Grant	World Bank funded Technical Education Quality Improvement Programme (TEQIP)	One-month Post-Doctoral research course undertaken at the Deptt. of Civil Engg., Tokyo Institute of Technology, Tokyo, Japan in the year 2007.	2004
International Travel Grant	World Bank funded Technical Education Quality Improvement Programme (TEQIP)	One-month Post-Doctoral research course undertaken at the Deptt. of Civil Engg., National University of Singapore, Singapore in the year 2006.	2004
International Travel Grant	World Bank funded Technical Education Quality Improvement Programme (TEQIP)	To attend and present a paper in the 18 th International Conf. on Soil Mechanics & Geotechnical Engg. held in Paris, France in the year 2013.	
International Travel Grant	World Bank funded Technical Education Quality Improvement Programme (TEQIP)	Represented India in the Asian Geotechnical Societies Representatives (Council) Meeting held during the 18 th International Conf. on Soil Mechanics & Geotechnical Engg. held in Paris, France in the year 2013.	
International Travel Grant	Jadavpur University under the Unassigned grant of the UGC.	To attend and present a paper in the 14 th Asian Regional Conf. on Soil Mechanics & Geotechnical Engg. held in Hong Kong, Hong Kong, China in the year 2011.	
Senior	Council of Scientific &	For Carrying out research in Civil	

Research Fellowship	Industrial Research, NPL Campus, Pusa, New Delhi	Engg Deptt, Jadavpur University	
National Scholarship	WB Board of Secondary Education	One time Scholarship & Certificate in the 10 th Standard Madhyamik Examination.	1993

XI. Publications list:

1. A Laboratory Study on Conventional CBR and DCP Method in the mould, 2014. Sunanda Bhattacharjee, Kaushik Bandyopadhyay. **Journal of Indian Highways**, Vol. 42, No. 6, pp 45-50.
2. “Phytoremediation of Cadmium from Contaminated Water by *Pistia stratiotes*”, 2014. Devaleena Chaudhuri, Arunabha Majumder, Kaushik Bandyopadhyay, Amal Kanti Misra. International Conference on Energy Technology, Power Engineering and Environmental Sustainability, Jawaharlal Nehru University, New Delhi. Published in Edited Book “Strategic Technologies of Complex Environmental Issues- A sustainable approach”, pp 52-59.
3. “Efficiency of *Spirodela polyrhiza* for removal and uptake of Pb and Ni”, 2014. Chandrima Goswami, Arunabha Majumder, Kaushik Bandyopadhyay, Amal Kanti Misra. International Conference on Energy Technology, Power Engineering and Environmental Sustainability, Jawaharlal Nehru University, New Delhi. Published in Edited Book “Strategic Technologies of Complex Environmental Issues- A sustainable approach”, pp 28-33.
4. “A comparative study on the laboratory and field CBR values of granular sub base material for pavement construction, 2013. Sunanda Bhattacharjee, Kaushik Bandyopadhyay. **Journal of Indian Highways**, Vol.41, No. 9, pp 83-91.

5. "Split Tensile Strength test of lime and Cement Stabilized Fly Ash", 2013. Sunanda Bhattacharjee, Kaushik Bandyopadhyay. **Journal of Indian Highways**, Vol. 41, No. 12, pp 101-107.
6. "Ground Improvement in soft deltaic deposits – some case studies", Kaushik Bandyopadhyay, N. N.Som, 2013. Proceedings of 18th International *Conference* on Soil Mechanics and Geotechnical Engineering (18th ICSMGE) in *Paris*, France, pp 14-17.
7. "Fixed Bed Column Adsorption Studies Using Fly Ash for Removal of Cadmium from Aqueous Solution" 2013. B. Thakur, M. Biswas, K. Bandyopadhyay and A.K. Misra. *Journal Inst. Eng. India Ser. A*, 94(3):161-168.
8. "An experimental study to improve the CBR of stabilized flyash in highway construction", 2013. Kaushik Bandyopadhyay, Sunanda Bhattacharjee. Proceedings of **Indian Geotech Conf.**, Roorkee, 2013, Vol. 2, page 281.
9. "Cadmium removal by Lemna minor and Spirodela polyrhiza", 2013. Devaleena Chaudhuri, Arunabha Majumder, Amal Kanti Misra, Kaushik Bandyopadhyay. Accepted for publication in **International Journal of Phytoremediation**.
10. "Arsenic removal by Lemna minor in hydroponic system", 2013. Chandrima Goswami, Arunabha Majumder, Amal Kanti Misra, Kaushik Bandyopadhyay. Accepted for publication in **International Journal of Phytoremediation**.
11. "Computational Study on the effects of tannery wastewaters on highway flyash embankment", 2012. Kaushik Bandyopadhyay, Sunanda Bhattacharjee, Swarnava Ghosh. Proceedings of **Indian Geotech Conf.**, New Delhi, Vol.II, pp 723-726.
12. "Flexural Strength of Fly ash sub-grade stabilized with lime and cement", 2011. Kaushik Bandyopadhyay, Sunanda Bhattacharjee. Proc. **Indian Geotech Conf.**, Kochi, Kerala, India; Volume II: Contributory Papers, pp 117-119.
13. "Study on the effect of change of compaction energy on shear strength of fly ash", 2011. Kaushik Bandyopadhyay, Sunanda Bhattacharjee. Proc. **Indian Geotech Conf.**, Kochi, Kerala, India; Volume II: Contributory Papers, pp 120-123.
14. "Numerical approach for analysis of highway fly ash embankment", 2011. Kaushik Bandyopadhyay, Sunanda Bhattacharjee. Proc. **Indian Geotech Conf.**, Geochallenges, Kochi, Kerala, India; Volume II: Contributory Papers, pp 919-922.

15. “Efficiency of *Spirodela polyrhiza* for the removal of nickel and chromium from wastewater”, 2011. Chandrima Goswami, Arunabha Majumder, Amal Kanti Misra, Kaushik Bandyopadhyay. Proc. of **Vth World Aqua Congress 2011**, Conference held at New Delhi, pp .
16. “Phytoremediation of Cadmium by Application of Duckweed (*Lemna minor*) in Contaminated water”, 2011. Devaleena Chaudhuri, Arunabha Majumder, Amal Kanti Misra, Kaushik Bandyopadhyay. Proc. of **Vth World Aqua Congress 2011**, Conference held at New Delhi, pp .
17. “Phytoremediation of Cadmium and Nickel by *Spirodela polyrhiza*”,2011. Devaleena Chaudhuri, Chandrima Goswami, Sumon Chatterjee, Kaushik Bandyopadhyay, Arunabha Majumder, Amal Kanti Misra. **Indian Journal of Environmental Protection**, Vol.31, No.9, pp751-757.
18. “Heavy metals removal from industrial wastewater by phytoremediation”, 2011. Arunabha Majumder, Devaleena Chaudhuri, Chandrima Goswami, Sumon Chatterjee, Kaushik Bandyopadhyay, Amal Kanti Misra. Proc. National Seminar on: Sustainable Environmental Management, Kolkata, pp 68-73.
19. “Effect of Curing Period and Void Ratio on Hydraulic Conductivity of Compacted Cement Stabilized Flyash”; 2011. Kaushik Bandyopadhyay, S. Bhattacharjee, S. Ghosh, Proceedings of the National Seminar on Geotechniques for Construction, Design and Performance of Structures, Kolkata.
20. “Comparative Study Between Laboratory CBR And DCP Tests”, 2011. Kaushik Bandyopadhyay, Sunanda Bhattacharjee. Published in the proceedings of the 14th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, **Hongkong, China**.
21. “Adsorption of Cadmium using flyash: Equilibrium & Kinetic Study”, 2010. Kaushik Bandyopadhyay, T Hazra, B. Thakur; **Journal of Institution of Engineers**, Volume 90, March 18, 2010, pp 3-8.
22. “Importance of Proper Construction Technique in Underground Works”;2010. Biswajit Das, Kaushik Bandyopadhyay. Proceedings of the National Seminar on Geohazards of Underground Structure, Kolkata, pp 67-69.
23. “Efficacy of Fly ash for removal of chromium from wastewater”, 2010. Kaushik Bandyopadhyay, Chandrima Goswami, Devaleena Chaudhuri, Amal Kanti Misra , Sunanda

- Bhattacharjee; published in **Journal of Land Contamination and Reclamation** , 18 (2), pp 161-173.
24. "Variation of pH and Heavy Metal Concentration of Compacted Fly Ash under Hydraulic Flow Condition", 2010. Kaushik Bandyopadhyay, Sunanda Bhattacharjee. Published in the proceedings of **6th International Congress on Environmental Geotechnics**, New Delhi, India.
 25. "Indirect Tensile Strength Test of Stabilized Fly Ash", 2010. Kaushik Bandyopadhyay, S Bhattacharjee. Published in the Proc. Indian Geotech Conf., **IIT Mumbai, Mumbai**, India; Volume I: Contributory Papers, pp 279-282.
 26. "Comparative Study between Laboratory and Field CBR by DCP and IS Method", 2010. Kaushik Bandyopadhyay, S Bhattacharjee. Published in the Proc. **Indian Geotech Conf., IIT Mumbai, Mumbai**, India; Volume II: Contributory Papers, pp1011-1015.
 27. "Sub-Soil Profile Along A Section of Calcutta East-West Metro Alignment";2009. Kaushik Bandyopadhyay, Sunanda Bhattacharjee, Shyamal Kumar Mitra, Proceedings of the National Seminar on Emerging Trends in Ground Improvement, Kolkata.
 28. "Removal of Fluoride from Groundwater using Broken Concrete Cubes as the adsorbing Media", 2009. Kaushik Bandyopadhyay, Chandrima Goswami, Devaleena Chaudhuri, Arunabha Majumder. Published in the Proc. Indian Geotech Conf., Guntur, Andhra Pradesh, India, Proc. Volume-I-Contributory Papers, pp 288-291.
 29. "Laboratory CBR values of fly ash under different conditions", 2009. Kaushik Bandyopadhyay, Sunanda Bhattacharjee. Published in the Proc. Indian Geotech. Conf., Guntur, Andhra Pradesh, India, Proc. Volume-I-Contributory Papers, pp 815-817.
 30. "Comparative Study of Removal of Lead by Fly Ash and Seashell", 2009. Kaushik Bandyopadhyay, A Majumder , A. K. Misra, Chandrima Goswami , and Devaleena Chaudhuri. Proc. 7th All India Peoples' Technology Congress, Kolkata, India, 304-308 pp.
 31. "Adsorptive Removal of Cadmium by Fly A-A column Study", 2008. B.Thakur, Kaushik Bandyopadhyay, A.K.Misra. Published in **Journal of the Institution of Public Health Engineers (IPHE)**, India. 2008-2009, 3, 39-43.
 32. "A Laboratory Column study for Adsorptive Removal of Cadmium by Fly Ash", 2008. Kaushik Bandyopadhyay, Biswajit Thakur, Amal Kanti Misra, Chandrima Goswami, Devaleena Chaudhuri; published at the GeoCongress 2008: The challenge of

Sustainability in the Geoenvironment Annual Congress of the **Geo-institute of ASCE, New Orleans, Louisiana, USA.**

33. "A Laboratory study for Removal of Fluoride by Activated Alumina";2007.Kaushik Bandyopadhyay, C. Goswami, D. Chaudhuri, A. Majumdar, A.K.Misra. National Conference and Exhibition, Safe and Affordable Technologies for Household Water Purification and Their Management.Organized by University of Lucknow, Lucknow.
34. A invited talk on the topic entitled "Technology options for fluoride & cadmium removal"; K.Bandyopadhyay, C.Goswami, D.Chaudhuri, A. Majumder, A.K.Misra,A one day Seminar organized by Society of Civil Engineers,Jadavpur University,2007.
35. An invited talk by the Principal Investigator on the present research topic entitled, "Feasibility of Using Fly Ash Bed for Safe Disposal of Chrome-Bearing Wastes and Technology Options for Fluoride and Cadmium Removal", at the Tokyo Institute of Technology , Tokyo, Japan in 2007.
36. "Desorption Study of a Fly Ash Bed Previously Exposed to Chrome-Bearing Wastewater" by K. Bandyopadhyay, Amal Kanti Misra and N.Som; published in the **Journal of Land Contamination & Reclamation**, October, 2007.
37. An invited talk by the Principal Investigator on the "Removal of Chromium by fly ash" by K. Bandyopadhyay, Amal Kanti Misra and N.Som at the National University of Singapore, Singapore in 2006.
38. "Fly Ash as an Adsorbent to Retain Hazardous Heavy Metals" by K.Bandyopadhyay, Amal Kanti Misra, S.Bhattacharjee and N.Som .Published in the proceedings of the 13th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering, Volume I, Part II, pp 757- 760.
39. "Use of clay-bed liner for retention of chromium from aqueous media: a laboratory study", 2005. Kaushik Bandyopadhyay , A.K Misra , and N. Som; **Journal of the Institution of Engineers (India) - Environmental Section**, Vol. 85, Pt. 2, 41-45 pp.
40. "Study on the changes in properties of fly ash exposed to cadmium bearing wastewater", 2005. Kaushik Bandyopadhyay, B. Thakur, A.K Misra. Accepted for publication in the Proc. Indian Geotech. Conf., Ahmedabad, India.
41. "Fixed Bed Column Study with Fly Ash as Adsorbent for Evaluation of Its Cadmium Removal Potential", 2004. B. Thakur, Kaushik Bandyopadhyay, A. K Misra, and N. Som, 2004. Accepted for publication in the Indian Geotechnical Conference, Warrangal, India.

42. "Treatment of cadmium-bearing liquid waste with fly ash", 2004. Kaushik Bandyopadhyay, B. Thakur, A.K.Misra . Proc. 19th International Conference on Solid Waste Technology and Management, Philadelphia, U.S.A., 520 - 528 pp.
43. "Potential use of clay-bed as a liner material to retain chromium from chrome-bearing wastes", 2003.Kaushik Bandyopadhyay, A. Gangopadhyay , A. K .Misra and N. Som. Proc. 18th International Conference on Solid Waste Technology and Management, Philadelphia, U.S.A., 932-941 pp.
44. "Efficacy of fly ash for removal of soluble cadmium from aqueous phase", 2003. Kauhik Bandyopadhyay, B. Thakur, A.K. Misra , A. Gangopadhyay , and N. Som. Proc. Indian Geotech. Conf., Roorkee, India, 479- 482 pp.
45. "Removal of soluble cadmium using fly ash as adsorbent", 2003. B Thakur, Kaushik Bandyopadhyay, and A.K. Misra. Proc. National Seminar on Advancements in Materials, Equipment and Technology in Public Health Engineering, Kolkata. Accepted for publication.
46. "Study on the changes in physical properties of fly ash exposed to industrial wastewater", 2002. Kaushik Bandyopadhyay, A. Gangopadhyay , A.K. Misra, S.K. Mukhopadhyay , and N. Som. Proc. Indian Geotech. Conf., Allahabad, India, 135- 138 pp.
47. "Fly ash: A resource material for treatment of chrome-bearing wastewater", 2001.Kaushik Bandyopadhyay, A. Gangopadhyay , A.K. Misra , and N. Som. Proc. Indian Geotech. Conf., Indore, India, 449-452 pp.
48. "Desorption of a few metallic ions from a fly ash bed", 2001. K. Bandyopadhyay, A. Gangopadhyay, A. K. Misra, and N. Som. Proc. Third All India People's Technology Congress, Kolkata, India, 19-21 pp.
49. "Permeation study to test the feasibility of retention of hexavalent chromium in a natural clay liner in a sanitary landfill", 2001. K. Bandyopadhyay, A. Gangopadhyay, and N. Som. J. Waste Recycling and Resources Management in the Developing World, 255- 258 pp.
50. "Renovation of chrome-bearing wastes by fly ash", 2000.K. Bandyopadhyay, A. Gangopadhyay, and N. Som. Proc. Indian Geotech. Conf., Mumbai, India, 227-228 pp.

51. "Adsorption study on fly ash as a waste resource for the removal of chromium", 2000. K. Bandyopadhyay, A. Gangopadhyay, and N. Som. Proc. World Congress on Sustainable Development, Kolkata, India, 532-540 pp.
52. "A Study on Anchor Groups in reinforced cohesive soil", 2000. S.P. Mukherjee, S. Saha, and K. Bandyopadhyay. Proc. Indian Geotech. Conf., Mumbai, India, 301-302 pp.
53. "Some aspects on structural adequacy and failure of pavements", 1999. P.P Biswas, S. C Das, and K. Bandyopadhyay. Proc. 8th Australia-New Zealand Conf. on Geomechanics, Tasmania, Australia. Accepted for publication.
54. "Clay liners as remedial measures to prevent pollution and contamination of groundwater by chromium", 1999. K. Bandyopadhyay, N. Som, and P. P. Biswas. Proc. National Conf. on Environment, Kolkata, India. Accepted for publication.
55. "An experimental study on the effect of chromium sulphate on kaolin", 1999. K. Bandyopadhyay, S. Saraswati, N. and Som. Proc. Indian Geotech. Conf., Kolkata, India, 229-231 pp.

XII. Project Supervised

Designation	Title of the Project	Funding Authority	Duration		Sanctioned Amount
			From	To	
Principal Investigator	Usefulness of Fly Ash As A Liner To Retain Hazardous Heavy Metals	University Grants Commission	2001	2004	3.66 lakhs
Principal Investigator	Studies On The Efficacy of Low-Cost Adsorbents For The Removal of Fluoride & Cadmium From Water & Wastewater	Department of Environment, Govt. of West Bengal	2006	2009	8.74lakhs
Principal Investigator	Feasibility Studies For The Removal of Heavy Metals From Water And Wastewater Using A Few Low-Cost Technologies	Department of Environment, Govt. of West Bengal	2009	2012	9.96lakhs
Principal Investigator	Study on the Feasibility of Removal of Inorganic Toxic Contaminants from	Department of Environment, Govt. of West Bengal	2012	2014	8.09lakhs

	Water and Waste water Using Coagulation Flocculation Method.				
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- XIII. No. of students awarded Ph.D.: **One.**
 XIV. No. of students submitted thesis for Ph.D.: **Three.**

XV. **Participation in seminar /Conferences / Symposia / Workshop**

Sl. No.	Title	Type of Seminar International / National	Year	Place	Attended /organized with Role
1.	International Symposium on Innovative World Of Concrete (IWC-98)	International	1998	Kolkata, India	Organized and corresponded for the symposium.
2.	International Conference on Ecological Engineering	International	1998	Kolkata, India	Attended and Presented paper.
3.	World Congress on Sustainable Development	International	2000	Kolkata, India	Attended and Presented paper.
4.	19 th International Conference on Solid Waste Technology and Management Philadelphia, U.S.A.	International	2004	Philadelphia, USA	Attended and Chaired two technical sessions and Presented paper.
5.	13 th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering	International	2007	Kolkata, India	Attended, organized and presented paper.
6.	2-days International Workshop on Alternate Fuels in IC Engines & GIS Application in Highway Engg.	International	2008	Jalpaiguri Govt. Engg. College, Jalpaiguri, West Bengal, India	Attended and Chaired a technical session.
7.	Indian Geotechnical Conference	National	1992	Kolkata, India	Attended
8.	The seminar on Planning and Management of Technical Education in India	National	1995	Kolkata, India	Attended
9.	Indian Geotechnical Conference	National	1999	Kolkata, India	Attended and Presented paper.
10.	National Conference on Environment	National	1999	Kolkata, India	Attended and Presented paper.
11.	Indian Geotechnical Conference	National	2000	Mumbai, India	Attended and Presented paper.
12.	3 rd All India People's Technology Congress	National	2001	Kolkata, India	Attended and Presented paper.
13.	Indian Geotechnical Conference	National	2002	Allahabad, India	Attended and Presented

					paper.
14.	National Seminar on Advancements in Materials, Equipment and Technology in Public Health Engineering	National	2003	Kolkata, India	Attended and Presented paper.
15.	Indian Geotechnical Conference	National	2005	Ahmedabad, India	Attended and Presented paper.
16.	Indian Geotechnical Conference	National	2006	Chennai, India	Attended
17.	National Conference and Exhibition, Safe and Affordable Technologies for Household Water Purification and Their Management	National	2007	Lucknow, India	Attended and Presented paper.
18.	A One day Seminar organized by the Society of Civil Engineers, Jadavpur University	National	2007	Kolkata, India	Attended and was one of the speakers
19.	All India Seminar on Rational Solid And Hazardous Waste Management	National	2008	Kolkata, India	Attended and Presented paper.
20.	National Conference on Integrated Water and Wastewater Management	National	2008	Kolkata, India	Attended and Presented paper.
21.	National Seminar on Emerging Trends in Ground Improvement	National	2009	Kolkata, India	Organized, Attended and Presented paper.
22.	7 th All India Peoples' Technology Congress, Kolkata, India	National	2009	Kolkata, India	Attended and Presented paper.
23.	All India Workshop on Save the Ganga	National	2009	Kolkata, India	Attended.
24.	National Seminar on Ground Settlement due to TBM tunnelling and embankment Construction (Under TEQIP II) Programme	National	2014	Kolkata, India	Organizer

XVI. Consultancy and Testing

Type	Organisation served	Year	Nature of work
Consultancy	Hindustan Construction Co. Ltd.	2010	Design checking and Vetting work for NH-34 from Km 295.000 to 452.750 in the State of West Bengal.
Consultancy	S K Mitra & Associates, Kolkata	2006	Retained by this firm for technical auditing, consultancy, preparation of reports for their various works in India. Contract started from 2006 & revised in 2008.
Consultancy	Marine Engineering and Research Institute	2007	Investigation and condition monitoring of student hostel buildings, revised design & preparation of drawings for their Taratala Institute, Kolkata, West Bengal.
Consultancy	Bengal Shelter Housing Development Limited	2007	Investigation of heritage structure at College Street, Kolkata
Consultancy	Dream Bake Private Limited, Kolkata	2007	Ground Improvement Work by filling low-lying area with fly ash for their factory site at Dhulagarh, West Bengal.
Consultancy	Executive Engineer, PW(Roads) Directorate, NH Div-XI Falakata, Jalpaiguri	2008	Consultancy & preparation of design mix for Mastic work.
Consultancy	Gour Chandra Dutta, Siliguri	2008	Consultancy on preparation of Design Mix Concrete
Consultancy	M. S. Engineering, Haldia	2008	Six-month contract for providing consultancy on

			construction and laying of paver blocks for their office at Haldia, West Bengal.
Consultancy	East Coast Constructions and Industried Ltd.	2008	Consultancy on suitability of use of various construction materials
Consultancy	Executive Engineer, P-W (Roads) Directorate, Falakata, Jalpaiguri	2008	Non-destructive test & Load Test of bridge on Torsa river between Pundibari and Falakata, Jalpaiguri, West Bengal.
Consultancy	Executive Engineer, PW (Roads) Directorate, NH Div-XI, Falakata, Jalpaiguri	2008	Consultancy work on preparation of design mix for Mastic & bitumen work.
Consultancy	Nagaland Pulp & Paper Company Limited Papernagar, Tuli, Mokokchung Dist., Pin: 798623, Nagaland	2008	Investigation and non-destructive testing of different units of Nagaland Pulp and Paper Company.
Consultancy	West Bengal Housing Board, Kolkata	2009	Consultancy work for their housing project of Sankalpa, Rajarhat
Consultancy	Executive Engineer, PW (Roads) Directorate, NH Div-IX, Siliguri.	2009	Consultancy & Carrying out of Roughness Measurement of NH-31 in the Dist. of Jalpaiguri.
Testing	Mudajaya Corporation	2007	Mix Design of Concrete & cube crushing strength.
Testing	Power Max(India) Pvt Ltd.	2007	Mix Design of Concrete & cube crushing strength.
Testing	Geotest	2008	Testing of rock samples
Testing	East Coast Constn & Industries Ltd.,	2008	Tests on Concrete, Steel, cement & water

	Kolkata		
Testing	J D Pavers	2009	Testing of paver blocks
Testing	MacIntosh Burn Ltd	2007, 2008, 2009	Cube crushing strength, tests of reinforcement, Pile Integrity, Aggregate crushing strength & Bituminous mix design, Concrete Mix Design etc.
Testing	CPWD, Dakshin Dinajpur	2009	Mix Design of Concrete and testing of reinforcing rods.
Testing	Purulia Highway Divn., PWD	2009	Bituminous Mix design work
Testing	SKM GEOTECH, Kolkata	2009	Testing of soil samples
Testing	Nahar Construction, Kolkata	2009	Mix Design of Concrete
Testing	Gangarampur Central Sub-divn, IBBZ, West Bengal	2009	Mix Design of Concrete

XVII. A. Membership of Academic Organization:

1. Fellow of the Institution of Engineers (India) (No.: F1140872)
2. Member of the International Society for Soil Mechanics and Foundation Engineering
3. Fellow of the Indian Geotechnical Society (No.:LF 0497)
4. Life Member of Geotechnical Study Circle, Kolkata Chapter of the Indian Geotechnical Society
5. Life Member of the Society of Civil Engineers, Jadavpur University

B. Leadership in professional bodies:

1. National Executive Committee Member of Indian Geotechnical Society (2012 to till date).
2. Council Member, Civil Engineering Sub-Committee, Institution of Engineers (India) from 2008-2010.
3. Executive Committee Member of Indian Geotechnical Society, Kolkata Chapter (Formerly Geotechnical Study Circle, Calcutta)
4. Member of organizing committee of 13th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering 2007, held in Kolkata, India.
5. Member of organizing committee of National Seminar on Emerging Trends in Ground Improvement 2009, organized by Kolkata Chapter of Indian Geotechnical Society, Kolkata, India.
6. Member of organizing committee of National Seminar on “Upgradation of Infrastructure in Megacity - Role of Civil Engineers” to be held during 30th & 31st October, 2009 by the Institution of Engineers (India), Kolkata, India.
7. Member of organizing committee of International Symposium on Innovative World Of Concrete (IWC-98), 1998, organized by Construction Engg Deptt, Jadavpur University, Kolkata, India.
8. Member of organizing committee of Asian region of ISSMGE 2013.