

BIO-DATA

1. NAME : MAHABIR DIXIT
2. DATE OF BIRTH : 01.01.1964
3. EDUCATIONAL QUALIFICATIONS :

Name of Institutional / University	Qualification	YEA R	Subject of study
G.B.Pant University of Agriculture & Technology, Pantnagar, Uttarakhand	B.Tech (civil)	1987	Civil engineering.
Institute of Technology, Banaras Hindu University, Varanasi, U.P.	M.Tech (civil)	1991	Soil Mechanics and Foundation Engineering
Water Resources Development Training Centre (Institute of Technology), Roorkee, Uttarakhand	PG (WRD)	1997	Water Resources Development"

4. DETAILS OF SERVICE:

Name of the post	Period		Nature of Duties
	From	To	
Research Officer	1995	2001	Planning & Execution of In-Situ and laboratory investigations on soil/rock,. Research study on s Geotechnical problems related to plan & self sponsored scheme schemes.
Senior Research Officer	2001	28 March 2013	Planning & Execution of In-situ and laboratory investigations on soil/rock. Research study on Geotechnical problems related to plan & self sponsored scheme. In charge of quality control work Control works at Salma Dam Project, Afghanistan from Nov. 06 to April 07.
Scientist D	28 March 2013	13/8/2017	Planning & Execution of In-situ and laboratory investigations on soil samples, Research study on Geotechnical problems related to plan & self sponsored scheme. Evaluation of DPR. Other administrative/technical works
Scientist E	14/8/2017	TILL DATE	Planning & Execution of In-situ and laboratory investigations on soil samples, Research study on Geotechnical problems related to plan & self sponsored scheme. Evaluation of DPR. Other administrative/technical works

Area of Specialisation: Soil Mechanic and foundation engineering

A Self sponsored Research

1. Improvement in soil properties using additives
2. Geotechnical investigations on the Blended Borrow area Materials
3. Study of properties of fine grained soil blended with organic matter.

B Topics of Lectures Delivered)

1. Role of drilling technology in geotechnical investigations of soils"
2. Foundation Soil investigation' in a training course on "
3. Quality control of earth and rockfill dams

4. Field Investigation of soil”
5. Characteristics of Construction Material for Dams and Rehabilitation of Dams”

C. Some of Research Publications as author/co-author

1. Case studies of Geotechnical investigations in adverse geological occurrences” INDOROCK 2013: Fourth Indian Rock Conference, 29-31 May, 2013, Solan, HP.
2. Characterization of Organic Soil of North Eastern Region of India - A Case Study” Indian Geotechnical Conference IGC-2014, December 18-20, 2014, Kakinada. December,
3. Laboratory investigation of weak rock material (under squeezing ground conditions) and study on arresting of slaking of weak rock using lime as an additive” Mahabir Dixit, Purbi Sen, Vikas Jain, Mukesh and R Chitra, INDOROCK – 2014 held from 12.11.2014 to 14.11.2014 at CSMRS, New Delhi, November, 2014
4. Study of Geotechnical investigations of Boundary Line (Rock/Soil) Materials “INDOROCK – 2014 held from 12.11.2014 to 14.11.2014 at CSMRS, New Delhi, November, 2014
5. A Comparative Study of Actual and Estimated Compression Index Values of Plastic Soils” Indian Geotechnical Conference IGC-2014, December 18-20, 2014, Kakinada., 2014,
6. Stabilization Of organic Soil Using Additives” International Journal for research & development in Technology, , Vol-5 issue-2 ISSN(O) 2349-3385 Feb 2016
7. Properties of fine grained soils blended with organic matter” in IGC, 2016 held from 14.12.2016 to 17.12.2016 at IIT, Madras.
8. Health evaluation of Earthen Dam” in IGC, 2016 held from 14.12.2016 to 17.12.2016 at IIT, Madras.
9. Borrow Area Soil Investigation of Daudhan Dam, Ken Betwa Link Canal Project, U.P./M.P. in IGC, 2016 held from 14.12.2016 to 17.12.2016 at IIT, Madras
10. Tolerable limits of organic matter for use of soil as construction material published in IGC 2017 held at IIT Guwahati
11. Borrow Area Investigations for an Earthen Embankment Dam - A Case Study published in IGC 2017 held at IIT Guwahati
12. Study on foundation and borrow area investigation for Afflux bunds of Kharkai barrage project, Jharkhand-India International journal of engineering applied sciences and Technology Volume 2 Issue 6 (Oct 2017)
13. Case studies of Hydraulic fracturing in core of Earth and Rockfill dams” A review, INCOLD Journal Volume 7 Jan 2018
14. Use of pavement Quality Concrete E (PQC) along with Recron-3s as Fiber and Dry Lean Concrete (DLC) in Runway Pavements, IIT Roorkee ACMS March 2018 Dynamic Analysis on Multilayer of Cohesionless Soil Subgrade of Railway Track with PLAXIS (Foundation) and MATLAB”, International Symposium on Geotechnics for Transportation Infrastructure (ISGTI)-2018, IIT-Delhi, Delhi, pp. 268-273.
15. Liquefaction Assessment Case Studies for Two Cities in India” Water & Energy International Journal, Feb. 2019 issue of the of Central Board of Irrigation & Power
16. Evaluation of Liquefaction Methodology”, National Conference on Latest Innovations in the area of Sustainable Materials for Building Road Construction in Civil Engineering, MNIT-Jaipur, Jaipur, 22nd to 23rd Sep., 2018, pp. 246-259.
17. Comparison of Theoretical and Laboratory Permeability for Coarse Grained Soil” IACMAG-2018, IIT Gandhinagar, 5th and 7th March, 2019, vol. 4
18. Behaviour of Clayey Soil Blended with Organic Soil” National Conference on Challenges in Geotechnical Investigation, Analysis, Design and Construction of Foundations (NCCGIADCF-2018), Goa, 20R1, pp. 42-48.
19. Challenges in Renovation of Existing Runway and Its Extension authored by in National Conference “Challenges in Geotechnical Investigations, Analysis, Design and Construction of Foundation” organized by IGS Goa held at Goa Engineering College during 13-14th April.
20. Management of Soil in Preparation of Sub Base/Embankment of Runway (Page No. 187, IGS Goa) authored in National Conference “Challenges in Geotechnical Investigations, Analysis, Design and Construction of Foundation” organized by IGS Goa held at Goa Engineering College during 13-14th April.
21. Inducement of dispersion in clayey soil by soda activated Multani Mitti” in National Conference On Latest Innovations in the area of Sustainable Materials for Building / Construction in Civil Engineering” held at MNIT, Jaipur from 22nd to 23rd, Sept 2018.
22. transformation of Non-Dispersive Clay Soil into Dispersive Clay by Artificial Method” in Indian Conference on Geotechnical & Geo-environmental Engineering (ICGGE-2019), 1st - 2nd March, 2019,

Mahabir Dixit
Scientist E

