

VITAE

Dr. V. BALAKUMAR got graduated from I.I.T., Madras,(Chennai) in Civil Engineering in the year 1970 after obtaining his degree in Physics from Madras University. He took his M.Sc., Engineering degree from College of Engineering Guindy, Chennai (presently – Anna University) in the year 1972. He got his Ph.D from Anna University in the year 2008 for his theses *Experimental Studies of Model Piled raft On Sand and Field Study of Proto Type Behaviour* He started his carrier in M/S Simplex Infrastructure Limited as a trainee. Subsequent to this till 1987 he worked in various organizations in different capacities. During his carrier he was involved in the design and construction of pile foundations, ground improvement technique and soil investigation for various types of projects. Some of the important projects are:

Cochin Shipyard (1973-Piling for the outfitting warehouse, crane track etc; He got the opportunity of witnessing the series of Static Cone penetrometer tests conducted by International Foundation Group Holland and interacting with them). Chennai Doordharshan Tower (1974-Driven cast in situ piles with raker piles – did the design of piles and pile caps also), Tuticorin Thermal Power Project (1976-Pre cast piles in pre bored holes), IFFCO- Kandla (1978- 19 m long pre cast piles – Was also performing the role of Geo technical consultant's representative in supervising and monitoring the installation of sand drain, pre loading, and the installation of stone columns), GCDA Marine Drive Scheme (Soil investigation comprising of 40 to 55m deep bore holes with 20 m deep soft marine clay. Was also incharge of the laboratory testing, analyses and preparation of report), etc. are few of the note worthy projects wherein he was involved.

In 1987, he started his own practice as Structural & Geotechnical consultant and is in the same capacity till now. As a consultant, he was involved in the design and construction of numerous Residential apartments, Commercial complexes and Industrial facilities. M/S Simplex Infra Structure Limited (Geo technical aspects, Preparation of alternate design schemes in piling including pre cast jointed segmental piles , design of deep excavation protection with soil nailing, contiguous pile wall, and diaphragm wall); M/S C.R.Narayana Rao Consultants (large industrial structures and complexes foundation design and preparation of specifications to soil investigation and piling); M/S Doshi Housing Limited(large residential apartments); M/S Sundaram Clayton Limited (Factory structures for casting, and automotive component manufacturing facilities), etc. are some of the prestigious Clients with whom he is. Numerous Multi Storied Residential apartments have been designed by him,one of which is supported on piled raft. The piled raft was instrumented and monitored to form a part of his Ph.D thesis. one of which has been taken for the study in the present thesis.

Presently, he is the whole time consultant for M/S Simplex Infrastructure Limited heading the geotechnical division and preparing the alternate design schemes. He heads the research and designs division also. He is currently involved in many prestigious projects involving deep excavations ,power sector, multi storied buildings etc

He is life fellow of Indian Geotechnical Society, Life member inSoutheast Asian geotechnical society and member International Society of Soil Mechanics and Geotechnical Engineering.,and Deep Foundation Institute USA. He is also a member in Tc207 Committee of ISSMGE involved in soil structure interaction study.He has published over 20 papers in journal and conferences (both national and International). He has travelled to Norway, Germany, Bangkok, Japan and Australia, UnitedStates, Taiwan, Hongkong, Singapore and France etc. for attending conferences and presenting papers He has been a visitor to Darmstadt University Germany, University of Wisconsin United States and Griffith University, Australia. He has chaired number of sessions in national conferences. He has organized two one day seminars on [Pile termination criteria](#) and [embankments](#) respectively. He was the convenor for oa one day workshop on recent developments in piling and ground improvement on behalf of DFI (India –NITK Surathkal) As the resource person for NITK Surathkal gave a lecture [on Rock Socketted piles](#). Presently he is reviewer for Indian Geotechnical journal and DFI conferences and journal

His areas of interest are:

- 1) Deep Foundations including Soil Structure Interaction and Piled raft.**
- 2) Ground Improvement Technique.**
- 3) Construction Management related to Geotechnical Engineering Industry.**

V.Balakumar