

**Name: Dr. B.S.NAGENDRA PRAKASH**

**1: PERSONAL RECORD:**

<b>Present Designation</b>	:	<b>Professor &amp; Chairman</b>
Institutional Address	:	Department of Civil Engineering
	:	UVCE, Bangalore University J.B. Campus, Bangalore- 560056
Residential Address	:	29/11, 38th cross, 3rd Main, 8th Block, Jayanagar, Bangalore: 560082.
Date and place of Birth:	:	22ND AUGUST 1958, Bangalore

**MAJOR FIELDS OF RESEARCH INTEREST:**

- Geo Environmental – Soil Remediation
- Industrial Effluent Treatment and Wastewater Engineering
- Air Pollution Engineering Design and Control

**9: RESEARCH GUIDANCE**

**A: Ph.D. Guidance: Degrees conferred:**

<b>Sl. No</b>	<b>Name of Candidate (Financial Support)</b>	<b>Title of the Thesis</b>	<b>Year of Award</b>
1	A. Ramesh	Remediation of Heavy Metals Contaminated soils & Ground Water Sites	2016

**B: M.E. Guidance: Degrees conferred:**

<b>Sl. No</b>	<b>Name of the Candidate</b>	<b>Title of the Thesis</b>	<b>Year of award</b>
1	Deepthi B Upadhyaya	Leachate Treatment by Anaerobic Plug Flow Bio-Film Reactor	2013
2	Narendra Babu	Extramural Aeromycological Studies of Bangalore City	2011
3	Muhammed Najmus Saqhib	Effect of Phytoremediation of Zinc and Lead on Geotechnical Properties of Soil	2011

4	Mr. Avinash. M . BMath	Phytoremediation of Heavy Metals by Vetiveria Zizanioides Grass and Effects on Essential Oil Production	2011
5	Mr. Venkateswara Rao	Performance Evaluation of Pneumatically Aided Flushing Systems	2010
6	Mr. Kalimulla. A	Leachability and Adsorption of Heavy Metal ion on Fly Ash	2009
7	Mr. Ravi. B. Uppin	Effect of pH on the Adsorption Characteristics of Heavy Metal ions on Fly Ash	2009
8	Ms. Latha. B	Sorption and Desorption of Chromium (VI), Iron (III) and Sodium on BC soil	2008
9	Ms. Pavithra. N	Sorption and Desorption of Chromium (VI), Iron (III) and Sodium on Kaolinite Mineral	2008
10	Mr. Shaik Abdul S	Removal of Ni, Cd, & Fe from Kaolinite & Montmorillonite Soil by Electrokinetic Process	2006
11	Ms. B. N. Suma	Influence of Electrical Potential on Electrokinetics Extraction of Contaminants from Red earth	2005
12	Mr. Dayanand Reddy	Influence of Electrical Gradient on the migration of Cations and Anions in Expansive Soil	2004
13	Mr. L. S. Suresh	Migration of Contaminants in Soil Media Under Combined Influence of Hydraulic, Chemical and Electrical Gradients	2004
14	Mr. Krishnappa	Effect of Disinfectants other than Chlorine	1997-98
15	Mr. Pramod Kumar	Waste Management in Pulp and Paper Industry	1998-99
16	Mr. Bhoja Raju	A Study as use of Moringa Oleifera Seeds as a Coagulant	1996-97
17	Ms. C. H. Maruthi D	Turbidity removal using Alum and Poly alumini Silica Sulphate (PASS)	1995-96
18	Mr. Nagaraj Gupta	Performance Studies on Waste Water Treatment plant of Pharmaceutical Industry M/S U.B. Pharma, Tumkur	1995
19	Mr. Narayan Swam	Lethal Toxicity of Nickel and Boron on Zebra Fish (Brachydanio rerio)	1995
20	Mr. C S M V Prasa	Control of Chlorination by products in Water Supply	1994-95
21	Mr. Chandrashekar Reddy	Cheese Whey Treatment by Anaerobic Process	1994
22	Mr. B. H. Vasudev	Acute Toxicity of Mercury to the Harvevorous Fish Poecilia Reticulata (Petr)	1994
23	Ms. Padmaja Itige	Evaluation of existing waste water	1994

		Treatment plant of M/S Smithkline Beecham Pharmaceuticals India Ltd., Bangalore	
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### Research Collaborations established:

Sl. No	Organization	Details of Collaborations	Year
1	KSPCB	Funding for decontamination of fine grained soils by <b>Electro Kinetics Processes</b> for PhD	1999-2002
2	I.I.Sc.	On going for ME Dissertation	
3	KSPCB,CCET BU	Studies on pathogenic microbes in Vrishabhavathi river	1998

### RESEARCH PROJECTS IMPLEMENTED AND SUPERVISED:

Sl No.	Title of the Project	Funding Agency	Quantum of Funding	Status
1	Studies on pathogenic microbes in Vrishabhavathi river	<b>KSPCB</b>	25000/-	Completed

### 11: RESEARCH PUBLICATIONS:

#### A. List of Research Papers Published in subject specified journals: (Please furnish details of only published papers)

Sl. No	Title of the Paper	Journal details International	Year of Publish
1	Lead Contamination in soil and underground water in and around Lead Processing Industry - A Case Study	International Journal of Environmental Technology and Management	2013
2	Identification of Source of Heavy Metal Contamination in a Site – A Case Study	International Journal of Environment & Waste Management	2013
3	Assessment of Ground Water quality in Designated Peenya Industrial Area and Estate, Bangalore, India- A Case Study	International Journal of Environment & Waste Management	2012
4	Accurate Estimation of Hexavalent Chromium	International Journal of Earth Sciences and Engineering	2012

	Concentration in Soil, Sediments and Effluents in the Presence of Zn and Fe		
5	Comparative study of evapotranspiration losses using various algorithms	International Journal of Earth Sciences and Engineering	2012
6	“Electro-osmotic flow behaviour of metal contaminated expansive soil”	Journal of Hazardous Waste Management	March 2007
7	Removal Mechanism of Cr(VI) & Fe(III) Metal Ions From Expansive Soil by Electro Kinetic Extraction	American Society of Testing Materials	Under correspondence
8	Electro osmotic flow behaviour of metal contaminated Expansive soil	Indian Geotechnical Journal	Under correspondence
9	Removal Mechanism of Cr (VI) & Fe(III) Metal Ions From Expansive Soil by Electro Kinetic Extraction	Geomechanics & Geoengineering Journal	Under correspondence

**B .Research Abstracts Published In the Proceedings of Various Seminars/Workshops/Conferences and Symposia:**

<b>Sl. No</b>	<b>Title of the Paper</b>	<b>Name of the Conference</b>	<b>Year</b>
1	Retardation of ions in soil under electrical Gradient	Indian Geotechnical Conference	2005
2	Fly ash as a part of multi-layer mineral liner system	Indian Geotechnical Conference	2004
3	Migration of An- ions in soils under different Conditions	Indian Geotechnical Conference	2003
4	Effect of Catholytic Neutralization on electro osmotic permeability	Indian Geotechnical Conference	2002
5	Effects of Salts on the Volume Change Behaviour of Illite	Indian Geotechnical Conference	2001
6	Measurement of Coefficient of Electro- Osmotic Permeability of Soils	Indian Geotechnical Conference	2000
7	Effect of temperature on properties of Geo-fabrics	Indian Geotechnical Conference	1999
8	Studies on Pathogenic Microbes in Vrishabhavathi river by CCET and Dept of Microbiology,BU Bangalore	Symposium on waste management and role of biotechnology in waste reuse for 2000	July 1999

9	Mercury Tolerance in the Guppy <i>Poecilia Reticulata</i> in Relation to Sex and Size by Dept. of Environmental Science , BU Bangalore	National Seminar on Man Industry And Environment	April 1995
10	Marine Pollution , Effects and Control	National Seminar on Marine Pollution , Effects and Control	Nov.1992
11	Methods of Treating Liquid Waste with reference to textile Industry	National Conference on Management of Pollutants in Textile Industries	July 1991

Sl. No	Title of the Book	Publishers details	Year of Publish
1	Environmental Engineering by Anil Kumar De, Arnab Kumar De	New Age International Publishers	2009
2	Environmental Studies by Dr.S.M.Prakash	Elite Publishers	2008
3	Environmental Studies by Anil Kumar De, Arnab Kumar De	New Age International Publishers	2007
4	Water Pollution- <i>Causes, Effects and Control</i> by P.K.Goel	New Age International Publishers	2006