



1	NAME	: Dr. H. B. ARAVINDA M.E (Env) , Ph.D(Env).
2	DESIGNATION	: Professor & Head Civil Engineering Department, Bapuji Institute of Engineering & Technology, DAVANGERE-577 004, KARNATAKA, INDIA Phone: (08192) 221461 (O), 223202 (R) Cell : 9844061789 Fax : (08192) 223261 E-mail: drhbabiet@gmail.com
3	DATE OF BIRTH	: 20 th April 1962.
4	EDUCATIONAL QUALIFICATION	: B.E (Civil)., M. E (Environmental Engineering) Ph.D, M.I.E., M.I.S.T.E, F.I.E.E
5	FIELD OF SPECIALIZATION	: <ul style="list-style-type: none"> • Water & Waste Water Treatment plant, Industrial effluent plant Design and development. • Air quality Monitoring • Analysis of Heavy Metals, Water & Waste Water. • Studies on River water quality. • Restoration of Lakes
6.	AREA OF INTEREST	: Soil, air, water & waste water pollution & its prevention.
7	EXPERIENCE	: Total 32 years of Research, Teaching for Under Graduate and Postgraduate students.
8.	MEMBER OF PROFESSIONAL BODIES	i) Member of Institute of Engineers. ii) Life member of Indian Society of Technical Education. iii) Member, Karnataka Vijnana Parishad, Bangalore. iv) Fellow of Institute of Environmental Engineers. v) Ex- Member ACADEMIC COUNCIL Kuvempu University, Shimoga vi) Ex- Member BOE/BOS Kuvempu University, Shimoga.
9.	RESEARCH GUIDENCE	No. of students working for Ph.D Projects : 03 No. of students completed Ph.D Projects : 05 12 under Graduate student projects. (Sponsored by KSCST)
10.	SEMINARS ATTENDED/ CONDUCTED	i) Attended 18 National, International, Conferences /Symposium/Seminars. ii) Conducted 1 Workshop Sponsored by AICTE, New Delhi a) Water and Waste Water Management in Urban Areas, 18th July 2004 , Sponsored by AICTE, New Delhi.

		<p>b) Short-term course on “Industrial Pollution Control” 16th to 20th June 2008 Sponsored by ISTE-AICTE, New Delhi.</p> <p>c) Faculty development programme on “Re-Engineering on Environmental Impact Assessment Process” 5th to 7th March sponsored by VGST-VTU, Bangalore</p>
11.	CO-COORDINATOR Projects Completed	<p>i) Ambient Air Quality Monitoring At Harihar & Davangere Towns [1998-2002] Sponsored by Ministry of Ecology & Environment. Govt. of Karnataka (4 years).</p> <p>ii) Bio Monitoring of Water Quality Near Haralalli Bridge. Sponsored by Karnataka State Pollution Control Board, Bangalore.</p> <p>iii) Water Quality For Drinking Purposes of Chitradurga district [1997-98] Sponsored by Zilla Panchayath, Chitradurga Engineering sub Division.</p> <p>iv) Modernization of Chemistry lab [1997-98] sponsored by AICTE, New Delhi. Assessment of Pollution Load In Nethravathi and Kali River In Karnataka State [1998-99] Sponsored by Karnataka State Pollution Control Board, Bangalore.</p> <p>v) Study of water quality of Davangere Taluk. [1999-2000] Sponsored by PHE Davangere.</p> <p>vi) Study of suitability of water for drinking purposes. [1998-99] Sponsored by DANIDA.</p> <p>vii) Modernization of Chemistry Laboratory under chemical Engg Discipline, 1997-98 Sponsored by AICTE, New Delhi.</p> <p>viii) Bore well water qualities studies of Rural Areas of Karnataka [1999-2000]. Sponsored by Rural Development Engineering Department, Govt. of Karnataka Bangalore.</p> <p>ix) Water Quality of Tungabhadra River Under GEMS/ MINARS Since 1995. Sponsored by Karnataka State Pollution Control Board, Bangalore.</p> <p>x) Water Quality of Tungabhadra River along Davangere and Harihar town stretches. Under NRCD programme since 1999. Sponsored by National River Conservation Directorate, New Delhi.</p>

		<p>xi) Water Quality Monitoring Under Jalanirmal Project, from MDP Consultant, New Delhi.</p> <p>xii) "Optimization of Biomethanation process for High TDS spent wash from Distilleries" year 2007 – 2008.</p>
	Projects ongoing	<p>i) Study of Atmospheric Awful microorganisms in Industrial Sector of Davangere District Since 2011. Sponsored by University Grants Commission, New Delhi.</p>
12.	CONSULTANT FOR EIA STUDIES, DESIGN & INSTALLATION OF EFFLUENT TREATMENT PLANT	<p>i. M/s. Shamanuru Sugar Ltd., Duggavathi, Davanagere District.</p> <p>ii. M/s. Samson Distilleries Pvt. Ltd., Duggavathi, Davanagere District.</p> <p>iii. M/s. Davanagere Sugar Company, Kukkawada, Davanagere District.</p> <p>iv. Green Agro Pack, Hebbal, Davanagere.</p> <p>v. Pandavapura co-operative sugar factory Pandavapura, Mandya District.</p> <p>vi. Davanagere Wire rope, Davanagere.</p> <p>vii. Someshwara Sahakari Sakkare Karkhane Ltd., Bailhongal Belgaum (Dist.).</p> <p>viii. Mahatma Gandhi Sahakari Sakkare Karkhane Ltd., Balki, Beedar (Dist.).</p> <p>ix. Prabhulingeshwara Sahakari Sakkare Karkhane Niyamit, Siddapura, Bagalkot Dist..</p> <p>x. Mrudagiri Sahakari Sakkare Karkhane Niyamit, Mundragi, Dharwad (Dist.).</p> <p>xi. National Chemicals & Fertilizers, Davanagere..</p> <p>xii. Gem laboratory, Davanagere.</p> <p>xiii. M/s. Indian Cene Power Limited, Uttur, Mudhol, Bagalkot.</p> <p>xiv. M/s. Universal Bottlers, Bangalore.</p> <p>xv. Sri. Renuk Sugars Limited, Burlatti, Athani, Belgaum.</p>

			<p>xvi. Involved in overall development of Davanagere City as a technical Advisor to District In-charge Minister during the year 2000 - 2004.</p> <p>a. Water supply to Davanagere town through Kundwada lake.</p> <p>b. Road network.</p> <p>c. Low cost Housing construction for needy.</p> <p>d. S.T.P & W.T.P Design and execution to Davanagere town.</p>
13.	OTHER ACTIVITIES	:	<ul style="list-style-type: none"> • Responsible to Establish Environmental Science & Technology study centre in Bapuji Institute of Engg & Technology, Davanagere. • The centre is recognized by Kuvempu University to Conduct M.Sc (Engg) & Doctoral Programmes in Environmental Science & Technology Field. • Guest Faculty of P. G Students of Environmental Science of Kuvempu University.
14.	AWARD	:	<ul style="list-style-type: none"> • Scientist of the year – 2011 by National Environmental Science Academy, New Delhi – 110 019

14. THE DETAILS OF RESEARCH PAPERS PUBLISHED:

1. Effect of Non-point source of pollution in Ground water near Averagere Lake. International Research Journal of Engineering and Technology, Vol 03, Issue 06, 2016. ISSN: 2395-0056.
2. Davanagere Lakes – Issues and perspectives on pollution, Restoration and Management, International Research Journal of Engineering and Technology (IRJET), Volume: 02 Issue: 07, Oct-2015.
3. Appraisal of Ground Water Quality Conditions by using Water Quality Index Means in Ranebennur Taluk Haveri District. International Journal of Emerging Technologies and Advanced Engineering, Volume 4, Issue 5, May 2014.
4. Appraisal of Ground Water Quality using GIS with a special emphasis on Fluoride contamination in Ranebennur Taluk Karnatak. International Journal of Engineering Inventions, Volume 3, Issue 10, May 2014.
5. Adsorbent from Pongamia pinnata tree Bark for Zinc Adsorption. Inetrnational Journal of Scientific Engineering and Technology. Vol 02, Issue 01, pp. 22-25, 2013, ISSN 2277-1581.
6. Factors and Kinetics involved in Adsorption of Copper from Aqueous and waste water onto Pongamia pinnata. International Journal of Innovative research inScience, Engineering and technology, vol 02, issue 4, pp1091-1098, ISSN:2319-8753.

7. Qualitative Analysis of Subsurface Water Quality in Challakere Taluk, Karnataka, India the journal of tropical life science VOL. 2, NO. 2, pp. 44 – 48, May, 2012.
8. Diurnal Variation In water quality of Kundawada Lake, in Davangere district, Karnataka India. Indian Journal of Environmental Protection, 2012. Vol: 32 Issue: 9 pp: 768-771.
9. Airborne Fungi Isolated From Industrial Sector Of Davangere City, State Of Karnataka, India, Journal of Science and Arts, No. 2(23), pp. 167-172, 2013
10. Kinetics and Mechanism for Absorption of Lead in Aqueous and industrial Effluent from Pongamia pinnata Tree Bark. International Journal of Environmental Science Toxicology and Food Technology, Vol 02. Issue 03, pp. 01-09, 2012. ISSN: 2319-2402.
11. Adsorption of Ferrous and Ferric Ions in Aqueous and Industrial Effluent onto Pongamia pinnata Tree Bark. World Academy of Science Engineering and technology, vol 06, No 7, pp. 1368-1376.
12. Study on Airborne Fungi at Solid waste generation sites of Davangere city, Karnataka, India. International Journal of Research in Environmental Science and technology. Vol 2. Issue 2, pp. 17-21, 2012. ISSN: 2249-9695.
13. Zooplankton Diversity And Its Relationship With Physico-Chemical Parameters In Mani Reservoir Of Western Ghats, Region, Hosanagar Taluk, Shivamoga District Karnataka, India, Journal of Urban and Environmental Engineering, v.6, n.2, p.74-77.
14. Air borne fungi diurnal congregation in industrial sectors of Davangere city, Karnataka, India. International Journal of Engineering Sciences Research, vol 02, issue 03, pp. 707-710, 2012, ISSN: 2230-8512.
15. Fish diversity in relation to physico-chemical characteristics of Bhadra reservoir of Karnataka, India. Pelagia Research Library Advances in Applied Science Research, 2011, 2 (5):34-47.
16. Zooplankton Diversity and its Relationship with physico chemical parameters in Kundavada lake of Davangere district karnataka India International Journal Of Proenvironment Bioflux Society Romania vol 4 (2011) 56 – 59.
17. Preliminary study on the physico chemical aspects of Mangalore coastal pollution. Research in environment and life sciences (issn; 0974-4908) international (3(3) 143-146).
18. Phytoplankton For Bio-monitoring Of Organic Pollution In Two Tanks Of Davangere District, Karnataka, India International South Western journal of Horticulture, Biology and Environment Romania Vol.2 , No.2, (2011) pp.107-112 .
19. Studies on Mangalore Coastal water pollution and its sources 'Indian Journal of Science and Technology', Volume 4, No. 5 May 2011.
20. Study of Mangalore Coastal water pollution by Analysis of Physico-chemical Parameters" 'International Journal of Earth Sciences and Engineering' Vol. 04, No. 01, February 2011, pp 57-64.

21. **Assessment of Air** quality in Shivamoga city Karnataka India. Advance in environmental sciences International Journal of the Bioflux Society of Romania volume-3(1); 2010. 12-16.
22. Study of Physicochemical characteristics of Mangalore Coastal Waters. 'Nature Environment and pollution Technology' Vol. 9, No. 4, 2010, pp.733-736.
23. "Preliminary study on the physic-chemical aspects of Mangalore coastal pollution" 'Research in Environment and Life Sciences' Volume 3(3) 143-146, 2010.
24. "Fluoride Levels in Borewell waters of some villages in Jagalur block, Davangere (District), Karnataka" 'Indian Journal of Environmental Protection' Volume 25, number 6, June 2005.
25. "Detection of Fluoride levels in Ground Water of Davangere District and its Mapping" Journal Geological Society of India, Vol.63, June 2004, pp 643 648.
26. Air borne microbial Hazards in Dairy and Poultry farm workers of Davangere, Karnataka, Current Research in Microbiology and Biotechnology, Vol. 2, No. 2 (2014): 325-328.
27. **A Study Of Air Borne Fungal Distribution And Species Diversity In Hill Fort Region Of Channagiri, Karnataka, India, International journal of Applied Sciences and Biotechnology**, International Journal Applied Science Biotechnology, Vol. 1(2): 59-61
28. "Nitrate and fluoride levels in ground waters of Davangere taluka" in Karnataka, Indian Journal of Environmental Health, Vol.45, No.1. pp 155- 160, April 2003.
29. Study of some of the correlation coefficient of some Physico-chemical Parameters of river Tungabhadra. Ind. J. of pollution Research Vol. 98 (5) 1998.
30. **Studies on** Environmental status of Tungabhadra River near Harihar, Karnataka (India). **Journal of Aquatic Biology (JAB)**, Vol. 23(2), 67-72, **2009**. ISSN: 0971-4235.

15. PRESENTED /PUBLISHED IN INTERNATIONAL LEVEL SYMPOSIA AND SEMINAR

1. Study of Pollution of Mangalore Coastal waters and its parameters. **National Workshop on Recent Trends in Physical Sciences/Life Sciences** held at Ananda College, Devakottai – 630 303, Tamilnadu from 7th to 9th January 2011.
2. Study of Pollution of Mangalore Coastal waters and its parameters. '**Green Summit on Climate Change-Issues and Concerns**, on 12th and 13th November 2010.
3. "Physico-Chemical Characterization and Their Significance With Reference To Public Health in Channagiri" **International Conference on "Water and Health"** held at JSS Research foundation, Sri Jayachamarajendra College of Engineering on 22nd and 23rd January 2005.
4. Low cost adsorbents for removing excess fluorides from fluoride rich drinking water. "**International Conference on Environmental Management (ICEM-2005)**" at center for Environment, IST, Jawaharlal Neharu Technological University, kukatpally, Hyderabad (A.P), India. on 28th to 30th October 2005.

5. "Studies on Environmental status of Tungabhadra River near Harihar, Karnataka (India)" **Journal of Aquatic Biology**, Vol. 23(2) 2008.

16. PRESENTED/PUBLISHED IN NATIONAL LEVEL SYMPOSIA AND SEMINAR

1. Study of water Quality in Davangere taluk comprising of Urban and Rural areas for domestic utility. Presented at **National Seminar on Geological Aspects**, held at Chandigarh, Sponsored by Punjab University, Feb. 11-12.
2. "Studies on Defluoridation of Drinking water using CornCobs". Presented in **National Seminar on Water Resources Management for Sustainable Deveolpment** held at Dept. of Civil Engineering, Sri Venkateswara University Thirupathi, held at 12th to & 13th March 1999.
3. "Chemical quality of ground water in Harihar taluk of urban and rural parts in Davangere district Karnataka" accepted for publication in the Proceedings of **National seminar on 'Pollution in Urban and Industrial Environment'** to be held at Institute of ecotoxicology and Environmental Sciences, Kolkata (West Bengal).
4. "Technology Options for Treatment and Disposal of Distillery Spent Wash" **National Conference on "Environmental Pollution Control & Repercussions"** held at University of B.D.T college of Engineering, Davangere on 4th and 5th October 2004. Sponsored by ISTE, Karnataka Section and Kuvempu University.
5. "Assessment of Ground Water Quality in Channagiri Taluk" **National Conference on "Environmental Pollution Control & Repercussions"** held at University of B.D.T college of Engineering, Davangere on 4th and 5th October 2004. Sponsored by ISTE, Karnataka Section and Kuvempu University.
6. "Studies on Heavy metals in water and sediments of the River Tungabhadra" **National Conference on "Environmental Pollution Control & Repercussions"** held at University of B.D.T college of Engineering, Davangere on 4th and 5th October 2004. Sponsored by ISTE, Karnataka Section and Kuvempu University.
7. "Low cost adsorbents for removing excess fluorides from fluoride rich drinking water" Presented in one day **Regional conference of the Indian Council of Chemists, "Analysis of pollutants in the Environment and Defluoridation Techniques.** Organized by Dept. of Chemistry, Acharya Nagarjuna University, P. G. Center, Nuzvid & Vignan P. G. College, Vissannapeta, on 23rd January 2005.
8. "Assessment of the Role of Water Supply & Sanitation Systems in Quality of Life in Rural Areas" presented at **All India Seminar on PURE**" held on 11th & 12th March 2006 at Mysore, organized by the Institute of Engineers (India), Mysore.
9. An Approach for Restoration of lake Ecosystems-A case study of Kundawada lake, situated near Davangere in central Part of Karnataka. **National Symposium on Lake 2008: Conservation and Management of River and Lake ecosystems**, held at Indian Institute of Science, Bangalore December 22nd – 24th 2008.

10. **Water Quality Index of Tungabhadra river water Ecosystem near Harihar Town, Karnataka. National Symposium on Lake 2008: Conservation and Management of River and Lake ecosystems**, held at Indian Institute of Science, Bangalore December 22nd – 24th 2008.

**LIST OF PROJECTS/RESEARCH WORKS/ UNDER NATIONAL/ STATE/
PRIVATE FUNDING AGENCIES UNDER Dr. H. B. ARAVINDA AS CO-
ORDINATOR**

SL. NO.	NAME OF THE PROJECT	SPONSORED BY	AMOUNT SANCTIONED in Rs. lakhs
1.	Ambient Air Quality Monitoring At Harihar & Davangere Towns [1998-2002]	Ministry of Ecology & Environment. Govt. of Karnataka (4 years)	6-48
2	Study Of Water Quality In Davangere District [1998-99]	Ministry of Ecology & Environment. Govt. of Karnataka	2-28
3	Water Quality Of Tungabhadra River Under Gems / Minars Since 1992.	Karnataka State Pollution Control Board, Bangalore	3-95
4.	Bio-Monitoring Of Water Quality Near Haralalli Bridge.	Karnataka State Pollution Control Board, Bangalore	0-04
5.	Water Quality For Drinking Purposes of Chitradurga district. [1997-98]	Zilla Panchayath, Chitradurga Engineering sub division,	2-31
6.	Water Quality Of Tungabhadra River along Davangere and Harihar town stretches. Under NRCD programme since 1999.	National River Conservation Directorate (NRCD)	57.47
7.	Assessment Of Pollution Load In Nethravathi and Kali River In Karnataka State [1998-99]	Karnataka State Pollution Control Board, Bangalore	0-70
8.	Study of water quality of Davangere Taluk.[1999-2000]	PHE, Davangere.	6-17
9.	Study of suitability of water for drinking purposes. [1998-99]	DANIDA	0-54
10.	Modernization of ESTSC lab [1998-99]	AICTE New Delhi	12-00
11.	Bore well water qualities studies of Rural Areas of Karnataka [1999-2000] (Davangere, Heveri, Dakshina Kannada, Udupi Districts)	Rural Development Engineering Department, Govt. of Karnataka Bangalore	78-30

12	Under Research Promotion Scheme (RPS) "Optimization of Biomethanation process for High TDS spent wash from Distilleries" project for the year 2007 – 2008	All India Council for Technical Education, New Delhi – 110 003. Sanctioned Letter No. F.No. 8023/BOR/RID/RPS-46/2007-08 dated 24th June 2008	7.0
13.	Jalanirmal Project, New Delhi	MDP Consultant, New Delhi	1-30
		Total	194.64

VISVEVARAYA UNIVERSITY
LIST OF Ph.D STUDENTS WORKED UNDER THE GUIDANCE OF
Dr. H. B. ARAVINDA

<i>Name of Research Scholar</i>	Sri. H. Karibasappa
<i>Department</i>	Environmental Science & Technology Study Centre
<i>Ph. D Thesis title</i>	"A study on Impacts of Domestic and Industrial Effluents on Water Quality of Lakes of Hosur Town"
Degree awarded	No. 4BD04PCN01 dt. 27 th April 2006
Institute – University	04.07.2011 Visvesvaraya Technological University, Belgaum.
<i>Name of Research Scholar</i>	Sri. J. K. Sadashiva Shylendra.
<i>Department</i>	Civil Engineering
<i>Ph. D Thesis title</i>	"Assessment of the Role of Water Supply & Sanitation System in Quality of Life in Rural Areas"
Date of Registration	No.764 dt. 04.05.2005
Degree awarded	21.06.2010
Institute – University	Kuvempu University, Shankaragatta
<i>Name of Research Scholar</i>	Smt M. Mamatha
<i>Department</i>	Environmental Science & Technology Study Centre
<i>Ph. D Thesis title</i>	"Studies on the Preparation of Adsorbent using pongamia Pinnata bark for removal of heavy metals from industrial effluents"
Date of Registration	No.202 dt. 18.06.2009
Degree awarded	05.05.2015
Institute – University	Kuvempu University, Shankaragatta

<i>Name of Research Scholar</i>	Sri. D. S. Vishwanath
<i>Department</i>	Environmental Science & Technology Study Centre
<i>Ph. D Thesis title</i>	“Assessment & Mapping of Ground water Quality of Ranebennur Taluka Using GIS Applications”
Date of Registration	No.204 dt. 17.06.2009
Degree awarded	05.05.2015
Institute – University	Kuvempu University, Shankaragatta
<i>Name of Research Scholar</i>	Sri. Francis Andrade, M
<i>Department</i>	Environmental Science & Technology Study Centre
<i>Ph. D Thesis title</i>	“ Enumeration of Pollution Load and its sources in the Coastal regions of Mangalore”
Date of Registration	No. 201 dt. 06.10.2008
Degree awarded	05.05.2015
Institute – University	Kuvempu University, Shankaragatta

VISVEVARAYA UNIVERSITY
LIST OF Ph.D STUDENTS WORKING UNDER THE GUIDANCE OF
Dr. H. B. ARAVINDA

<i>Name of Research Scholar</i>	Sri. Mohammed Yaseen
<i>Department</i>	Civil Engineering
<i>Ph. D Thesis title</i>	“Study on Non-point source pollution for selected lakes of Davangere district ”
Registration Date	USN: 4BD11PCM01 dt. 13.02.2011
Institute – University	Visvesvaraya Technological University, Belgaum
<i>Name of Research Scholar</i>	Sri. Praveen Kumar D G
<i>Department</i>	Civil Engineering
<i>Ph. D Thesis title</i>	“Removal of Benzene Derivatives from aqueous solution on low cost adsorbents”
Registration Date	USN: 4BD11TGN03
Institute – University	Visvesvaraya Technological University, Belgaum
<i>Name of Research Scholar</i>	Smt. Sumana N
<i>Department</i>	Civil Engineering
<i>Ph. D Thesis title</i>	“An Experimental Investigation on Storage effect on Fuel and Emission Properties of Various Biodiesel Blends Obtained from certain Sources”
Registration Date	USN: 4BD16PCJ02 date 06.11.2016
Institute – University	Visvesvaraya Technological University, Belgaum

