

## **RESUME**



### **Dr. H. B. ARAVINDA**

M.E (Env) , Ph.D (Env). FIE.

Principal

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## **Resume in Brief**

Dr.H.B.Aravind, Principal, Bapuji Institute of Engineering and Technology (BIET), Davangere, is a graduate in Civil Engineering and Post Graduate in Environmental Engineering. He was awarded Ph.D. by Kuvempu University. He has more than 38 years of teaching and research experience in the field of Civil and Environmental Engineering. He worked as Professor and Head of Civil Engineering Department. At present he is heading the Institute as Principal.

Dr. Aravind has published 26 research papers in National and International Journals and presented many papers in conferences of repute. He has guided Nine Ph.D. students and 36 M.Tech students. He worked as Member/Chairman of Board of Studies and Board of Examiners for different Universities. He was member of Academic Council of Kuvempu University. He was member of many professional bodies and he was Chairman of Institution of Engineers (India), Davangere local centre. He was a member of State Expert Appraisal Committee for Environmental Clearance and he was a member of State Environment Impact Assessment Authority, Govt. of Karnataka. Looking in to his achievements, Dr. Aravind was given Scientist of the year award – 2011 by National Environmental Science Academy, New Delhi. He has conducted seven Faculty Development Programmes/ Conferences. He worked as principal investigator for many projects funded by different funding agencies and the total amount sanctioned is 1.78 crores. Dr. Aravind is a consultant for many industries for Environmental management systems. He has designed and executed many Effluent Treatment Plants.

He is very much active in many social activities. He is involved in overall development of Davangere city. He was responsible for construction of many concrete roads and was key person in constructing a world class glass house. Under his supervision a world class Auditorium with state of art facilities is built in BIET. He was key person in restoration work of Kundawada Lake in Davangere which is a main source of drinking water for Davangere city. Above all he has been involved in many Programmes for the betterment of poor and needy people.

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<b>1</b>	<b>NAME</b>	: <b>Dr. H. B. ARAVINDA</b> M.E (Env), Ph.D (Env).
<b>2</b>	<b>DESIGNATION</b>	: Principal, Bapuji Institute of Engineering & Technology, DAVANGERE-577 004, KARNATAKA, INDIA Phone: (08192) 220938 (O) Cell : 9844061789, Fax : (08192) 222016 E-mail: drhbabiet@gmail.com
<b>3</b>	<b>DATE OF BIRTH</b>	: 20 <sup>th</sup> April 1962.
<b>4</b>	<b>CASTE</b>	: Lingayath
<b>5</b>	<b>EDUCATIONAL QUALIFICATION</b>	: Ph.D (Environmental Engg) M.E (Environmental Engg), B.E (Civil), F.I.E.
<b>6</b>	<b>FIELD OF SPECIALIZATION</b>	: <ul style="list-style-type: none"> <li>• Water &amp; Waste Water Treatment.</li> <li>• Industrial effluent plant Design and development.</li> <li>• Environmental Monitoring</li> <li>• River water quality and Restoration of Lakes</li> <li>• Environmental Impact Assessment and Studies</li> </ul>
<b>7</b>	<b>AREA OF INTEREST</b>	: Soil, air, water & waste water pollution & prevention.
<b>8</b>	<b>EXPERIENCE</b>	: Total <b>38</b> years of Research and Teaching for Under Graduate and Postgraduate students. <ul style="list-style-type: none"> <li>• Presently working as Principal, BIET, Davangere</li> <li>• Worked as Professor and Head of Civil Engineering Department, BIET, Davangere</li> </ul>
<b>9</b>	<b>MEMBERSHIP OF ACADEMIC/ PROFESSIONAL BODIES</b>	i) X-Chairman, Institution of Engineers (I) Davangere Local Centre (2018-2021). ii) Fellow of Institute of Environmental Engineers. iii) Member State Level Environmental Impact Assessment Authority (SEIAA), Govt. of Karnataka (2017-2020). iv) Member of State Expert Appraisal Committee for Environmental Clearance, Govt. of Karnataka (2014-2017). v) Member of District Environmental Authority, Davangere (2017-2019) vi) Life member of Indian Society of Technical Education. vii) Member, Karnataka Vijnana Parishad, Bangalore. viii) Former Member ACADEMIC COUNCIL Kuvempu University, Shimoga ix) Former Member of BOE/BOS, Kuvempu University and BOE, VTU. x) Fellow of National Environmental Science Academy.

<b>10</b>	<b>RESEARCH GUIDENCE</b>	No. of students working for Ph.D : 01 No. of students completed Ph.D : 08 Post Graduate student projects. : 30
<b>11</b>	<b>TECHNICAL TALKS DELIVERED</b>	<ul style="list-style-type: none"> <li>i) World Environment Day Theme Speech on “Biodiversity”, Function held at BIET on 5<sup>th</sup> June 2020</li> <li>ii) Demolition and Construction Waste – Environmental Guidelines, at National Conference on Construction and Demolition waste Management, held on August 10<sup>th</sup> 2019 at BIET Davangere.</li> <li>iii) Air Pollution Studies of Davangere City on the occasion of World Environmental Day - 2019 held at Institution of Engineers (I) Davangere Local Centre.</li> </ul>
<b>12</b>	<b>SEMINARS ATTENDED/ CONDUCTED</b>	<ul style="list-style-type: none"> <li>• Attended 25 National and International Conferences /Symposium/Seminars.</li> <li>• Conducted 10 National Seminars</li> </ul>
<b>13</b>	<b>WORKSHOP/FDP/ STTP CONDUCTED</b>	<ul style="list-style-type: none"> <li>i. A Three day FDP on Recent Trends in Environmental Impact Assessment – Process &amp; Procedures (RTEIA-PP)” from 17<sup>th</sup> January to 19<sup>th</sup> January 2019 conducted at BIET, Davangere.</li> <li>ii. One day Workshop on Smart City Conclave - 2017 on Friday, 1<sup>st</sup> September 2017 conducted at BIET Davangere.</li> <li>iii. One day workshop on Modern Approach for Effective Management of Municipal Solid Waste (MAEM-MSW)” on Saturday, 14<sup>th</sup> November 2015 conducted at BIET, Davangere</li> <li>iv. A Three Day FDP on Sustainable Development through Sugar Industries” conducted from 28<sup>th</sup> to 31<sup>st</sup> July 2013, organized in Association with Shamanur Sugars Limited, Duggavathi,</li> <li>v. A Two Day Short-term course on “Industrial Pollution Control” conducted from 16<sup>th</sup> to 20<sup>th</sup> June 2008, sponsored by ISTE-AICTE, New Delhi.</li> <li>vi. A Three Day Faculty development programme on “Re-Engineering on Environmental Impact Assessment Process” 5<sup>th</sup> to 7<sup>th</sup> March 2007, sponsored by VGST-VTU, Bangalore.</li> <li>vii. A one day Water and Waste Water</li> </ul>

			Management in Urban Areas, 18 <sup>th</sup> July 2004, sponsored by AICTE, New Delhi.
<b>14</b>	<b>COORDINATOR FOR FUNDED Projects Completed</b>	:	<ul style="list-style-type: none"> <li>i) Ambient Air Quality Monitoring at Harihar &amp; Davangere towns [1998-2002], sponsored by Ministry of Ecology &amp; Environment. Govt. of Karnataka (4 years).</li> <li>ii) Bio Monitoring of Water Quality near Haralalli Bridge, sponsored by Karnataka State Pollution Control Board, Bangalore.</li> <li>iii) Water Quality for Drinking Purposes of Chitradurga district [1997-98], sponsored by Zilla Panchayath, Chitradurga Engineering sub division.</li> <li>iv) Modernization of Chemistry lab [1997-98], sponsored by AICTE, New Delhi.</li> <li>v) Assessment of Pollution Load in Nethravathi and Kali River in Karnataka State [1998-99], sponsored by Karnataka State Pollution Control Board, Bangalore.</li> <li>vi) Study of water quality of Davangere Taluk [1999-2000], sponsored by PHE Davangere.</li> <li>vii) Study of suitability of water for drinking purposes [1998-99], sponsored by DANIDA.</li> <li>viii) Modernization of Chemistry Laboratory under chemical Engg Discipline, 1997-98, sponsored by AICTE, New Delhi.</li> <li>ix) Bore well water qualities studies of Rural Areas of Karnataka [1999-2000], sponsored by Rural Development Engineering Department, Govt. of Karnataka Bangalore.</li> <li>x) Water Quality of Tungabhadra River under GEMS/ MINARS, since 1995. Sponsored by Karnataka State Pollution Control Board, Bangalore.</li> <li>xi) Study of Atmospheric Awful microorganisms in Industrial Sector of Davangere District Since 2011, sponsored by University Grants Commission, New Delhi.</li> <li>xii) Water Quality of Tungabhadra River along Davangere and Harihar town stretches, under NRCD programme since 1999, sponsored by National River Conservation Directorate, New Delhi.</li> <li>xiii) Water Quality Monitoring under Jalanirmal Project, sponsored by MDP Consultant, New Delhi.</li> <li>xiv) "Optimization of Bio-methanation process for High TDS spent wash from Distilleries"</li> </ul>

			year 2007 – 2008, sponsored by Samson's Distilleries Private Ltd., Duggavathi
15	<b>CONSULTATION FOR EIA STUDIES, DESIGN &amp; INSTALLATION OF EFFLUENT TREATMENT PLANTS</b>		<ul style="list-style-type: none"> <li>i. M/s. Shamanuru Sugar Ltd., Duggavathi, Davanagere District.</li> <li>ii. M/s. Samson Distilleries Pvt. Ltd., Duggavathi, Davanagere District.</li> <li>iii. M/s. Davanagere Sugar Company, Kukkawada, Davanagere District.</li> <li>iv. Green Agro Pack, Hebbal, Davanagere.</li> <li>v. Pandavapura co-operative sugar factory, Pandavapura, Mandya District.</li> <li>vi. Davanagere Wire rope ltd., Davanagere.</li> <li>vii. Someshwara Sahakari Sakkare Karkhane Ltd., Bailhongal Belgaum (Dist.).</li> <li>viii. Mahatma Gandhi Sahakari Sakkare Karkhane Ltd., Balki, Beedar (Dist.).</li> <li>ix. Prabhulingeshwara Sahakari Sakkare Karkhane Niyamit, Siddapura, Bagalkot dist.</li> <li>x. Mrudagiri Sahakari Sakkare Karkhane Niyamit, Mundragi, Dharwad (Dist.).</li> <li>xi. National Chemicals &amp; Fertilizers, Davanagere.</li> <li>xii. Gem laboratory, Davanagere.</li> <li>xiii. M/s. Indian Cene Power Limited, Uttur, Mudhol, Bagalkot.</li> <li>xiv. M/s. Universal Bottlers, Bangalore.</li> <li>xv. Sri. Renuk Sugars Limited, Burlatti, Athani, Belgaum.</li> </ul>
16	<b>Professional/Social Involvement</b>	:	<ul style="list-style-type: none"> <li>• Involved in overall development of Davanagere City as a technical Advisor to District In-charge Minister during the year 2000 – 2004 and 2014 - 2018. Major works undertaken <ul style="list-style-type: none"> <li>○ Water supply to Davanagere city through Kundwada Lake.</li> <li>○ Road network.</li> <li>○ Low cost Housing construction for needy.</li> </ul> </li> <li>• S.T.P &amp; W.T.P Design and execution to Davanagere city.</li> <li>• Involved in the process for getting smart city status to Davanagere city.</li> <li>• Involved in design and construction of Glass house.</li> </ul>
16.	<b>OTHER ACTIVITIES/ RESPONSIBILITIES</b>	:	<ul style="list-style-type: none"> <li>• Responsible to establish Environmental Science &amp; Technology Study Centre in Civil and Environmental Engineering at BIET. The centre was recognized by</li> </ul>

			<p>Kuvempu University to Conduct M.Sc (Engg) &amp; Doctoral Programmes in Environmental Science &amp; Technology.</p> <ul style="list-style-type: none"> <li>Involved in design and construction of Auditorium in BIET costing around 28 crores.</li> <li>Responsible for Upgradation of Institution of Engineers (India) Davangere Local Centre Building.</li> </ul>
<b>17.</b>	<b>AWARD</b>	:	<ul style="list-style-type: none"> <li>Scientist of the year – 2011 by National Environmental Science Academy, New Delhi – 110 019.</li> </ul>

### **18. THE DETAILS OF RESEARCH PAPERS PUBLISHED:**

1. Diminution of Nitrate Level From Water Using Low-Cost Adsorbent – Rice Husk, International Research Journal of Engineering and Technology (IRJET), 2019 06(07), pp.2426-2429.
2. Effects of Non-point source pollution in ground water near Bathi Lake, International research Journal of Engineering and technology, Vol 3, Issue 06, 2016. ISSN: 2395-0056.
3. Davangere Lakes – Issue and prospective on pollution, restoration and management, International research Journal of Engineering and Technology, Vol 2, Issue 07, 2015. ISSN: 2395-0056.
4. 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.
5. 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.
6. Study of Airborne Fungi at Solid Waste Generation Sites of Davanagere City, Karnataka, India. International Journal of Research in Environmental Science and Technology, 2012; 2 (2): 17-21.
7. Air borne fungi diurnal congregation in industrial sectors of Davanagere city, Karnataka, India. International Journal of Engineering Sciences Research-IJESR, 2012; Vol 03, Issue 03.
8. Preliminary study on the physico chemical aspects of Mangalore coastal pollution. Research in environment and life sciences, 2012 3(3) 143-146).
9. Qualitative Analysis of Subsurface Water Quality in Challakere Taluk, Karnataka, India, The Journal Of Tropical Life Science, 2012. VOL. 2, NO. 2, pp. 44 – 48
10. 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.

11. 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.
12. Studies on Mangalore Coastal water pollution and its sources, Indian Journal of Science and Technology, 2011. Volume 4, No. 5.
13. Phytoplankton for biomonitoring of organic pollution in two tanks of Davangere district, Karnataka, India, International journal of proenvironment, Romania, 2011. Volume 2, no.2.
14. Zooplankton diversity and its relationship with physico-chemical parameters in Kundavada Lake of Ddavangere district, Karnataka, India. South-Western Journal of Horticulture, Biology and Environment, Romania, 2011. Vol. 2, no.2.
15. Study of Mangalore Coastal water pollution by Analysis of Physico-chemical Parameters, International Journal of Earth Sciences and Engineering, 2011. Vol. 04, No. 01, pp 57-64.
16. Phytoplankton for Bio-monitoring of Organic Pollution in Two Tanks of Davangere District, Karnataka, India, South-Western Journal of Horticulture, Biology and Environment, Romania, 2011. Vol.2, No.2, pp.107-112.
17. Study of Mangalore coastal water pollution by analysis of physico-chemical parameters, International journal of earth sciences and engineering. 2011, 4(1):pp. 57-64.
18. Study of physico chemical characteristics of Mangalore coastal waters, Nature, environment and pollution technology, 2010, Vol 9, No;4, pp. 733-736).
19. Assessment of Air quality in Shivamoga city Karnataka India, International Journal of the Bioflux Society of Romania, 2010. Volume-3(1), pp.12-16.
20. Study of Physicochemical characteristics of Mangalore Coastal Waters. Nature Environment and pollution Technology, 2010. Vol. 9, No. 4, pp.733-736.
21. Preliminary study on the physic-chemical aspects of Mangalore coastal pollution, Research in Environment and Life Sciences, 2010. Volume 3(3) 143-146.
22. Studies on Environmental status of Tungabhadra River near Harihar, Karnataka (India), Journal of Aquatic Biology, Vol. 23(2) 2008.
23. Fluoride Levels in Borewell waters of some villages in Jagalur block, Davangere (District), Karnataka, Indian Journal of Environmental Protection, 2005. Volume 25, number 6.
24. Detection of fluoride levels in ground water of Davangere district and its mapping, Journal geological society of India, 2004. vol.63, pp. 643-648.



25. Nitrate and fluoride levels in ground waters of Davangere taluka in Karnataka, Indian journal of environmental health, 2003, Vol.45, no.1. Pp 155- 160.
26. Study of some of the correlation coefficient of some physico-chemical parameters of river Tungabhadra, Ind. J. of pollution research, 1998, vol. 98 (5).

#### **19. THE DETAILS OF RESEARCH PAPERS PRESENTED IN INTERNATIONAL AND NATIONAL SEMINARS AND CONFERENCES**

1. “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 22<sup>nd</sup> and 23<sup>rd</sup> January 2005.
2. 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 28<sup>th</sup> to 30<sup>th</sup> October 2005.
3. “Study of water Quality in Davangere taluka comprising of Urban and Rural areas for domestic utility”, Paper presented at National Seminar on Geological Aspects, held at Chandigarh, Sponsored by Punjab University, Feb. 11-12, 1998.
4. “Studies on Defluoridation of Drinking water using Pyrolysed Corn Cobs”. Paper presented in National Seminar on Water Resources Management for Sustainable Development held at Dept. of Civil Engineering, Sri Venkateswara University Thirupathi, on 12<sup>th</sup> to & 13<sup>th</sup> March 1999.
5. “Chemical quality of ground water in Harihar taluka of urban and rural parts in Davangere district Karnataka”, paper presented at the National seminar on ‘Pollution in Urban and Industrial Environment’ held at Institute of Ecotoxicology and Environmental Sciences, Kolkota (West Bengal).
6. “Technology Options for Treatment and Disposal of Distillery Spent Wash” Paper presented at National Conference on “Environmental Pollution Control & Repercussions” held at University B.D.T college of Engineering, Davangere on 4<sup>th</sup> and 5<sup>th</sup> October 2004.
7. “Assessment of Ground Water Quality in Channagiri Taluka”, paper presented at National Conference on “Environmental Pollution Control & Repercussions” held at University B.D.T college of Engineering, Davangere on 4<sup>th</sup> and 5<sup>th</sup> October 2004.
8. “Studies on Heavy metals in water and sediments of the River Tungabhadra”, paper presented at National Conference on “Environmental Pollution Control & Repercussions” held at University of B.D.T college of Engineering, Davangere on 4<sup>th</sup> and 5<sup>th</sup> October

2004. Sponsored by ISTE, Karnataka Section and Kuvempu University.

9. "An Approach for Restoration of lake Ecosystems-A case study of Kundawada Lake, situated near Davangere in central Part of Karnataka" paper presented at National Symposium on Lake 2008: Conservation and Management of River and Lake Ecosystems, held at Indian Institute of Science, Bangalore on December 22<sup>nd</sup> – 24<sup>th</sup>, 2008.
10. "Water Quality Index of Tungabhadra river water Ecosystem near Harihar Town, Karnataka", paper presented at National Symposium on Lake 2008: Conservation and Management of River and Lake ecosystems, held at Indian Institute of Science, Bangalore on December 22<sup>nd</sup> – 24<sup>th</sup>, 2008.
11. A study of physico-chemical characteristics of Bathi lake in Davangere, Karnataka, India, U.G.C Sponsored National conference On "Recent trends In Analytic Techniques" Held on Saturday 19<sup>th</sup> February 2011 in collaboration with P.G. Dept. of analytical chemistry D.R.M. Science college, Davangere.
12. "Removal of Iron in aqueous solution and waste water using pagamia pinnata tree bark" at the National conference organized on account of International year of chemistry by D.R.M.science collage, Dvangere on 19<sup>th</sup> Feb 2011.
13. "A study on removal characteristic of selected heavy metals from aqueous and Industrial effluents by pagamia pinnata tree bark" at National conference on global climate change perspectives and challenge organized by Department of Environmental Science, Kuvempu University during March 23<sup>rd</sup> -24<sup>th</sup> ,2011.

**LIST OF PROJECTS/RESEARCH WORKS UNDERTAKEN FUNDED BY STATE AND NATIONAL FUNDING AGENCIES**

<b>SL. NO.</b>	<b>NAME OF THE PROJECT</b>	<b>SPONSORED BY</b>	<b>AMOUNT SANCTIONED in Rs. lakhs</b>
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	National River Conservation Directorate (NRCD)	57.47

	programme since 1999.		
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 [1998-1999]	AICTE New Delhi	12.00
11.	Bore well water quality 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	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.	7.0
13.	Jalanirmal Project, New Delhi	MDP Consultant, New Delhi	1.30
		<b>Total</b>	<b>178.54</b>

**Dr. H B Aravinda**