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| 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 25 years of Research, Teaching for Under Graduate and Postgraduate students. |
| 8. | MEMBER OF PROFESSIONAL BODIES | <ul style="list-style-type: none"> 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 : 07 12 under Graduate student projects. (Sponsored by KSCST) |
| 10. | SEMINARS ATTENDED/ CONDUCTED | <ul style="list-style-type: none"> i) Attended 16 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. |

- b) **Short-term course on “Industrial Pollution Control” 16th to 20th June 2008 Sponsored by ISTE-AICTE, New Delhi.**
- c) **Faculty development programme on “Re-Engineering on Environmental Impact Assessment Process” 5th to 7th March sponsored by VGST-VTU, Bangalore**

11. CO-COORDINATOR

Projects Completed

- :
- i) **Ambient Air Quality Monitoring At Harihar & Davangere Towns [1998-2002]** Sponsored by Ministry of Ecology & Environment. Govt. of Karnataka (4 years).
 - ii) **Bio Monitoring of Water Quality Near Haralalli Bridge.** Sponsored by Karnataka State Pollution Control Board, Bangalore.
 - iii) **Water Quality For Drinking Purposes of Chitradurga district [1997-98]** Sponsored by Zilla Panchayath, Chitradurga Engineering sub Division.
 - 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.
 - v) **Study of water quality of Davangere Taluk. [1999-2000]** Sponsored by PHE Davangere.
 - vi) **Study of suitability of water for drinking purposes. [1998-99]** Sponsored by DANIDA.
 - vii) **Modernization of Chemistry Laboratory under chemical Engg Discipline, 1997-98** Sponsored by AICTE, New Delhi.
 - viii) **Bore well water qualities studies of Rural Areas of Karnataka [1999-2000].** Sponsored by Rural Development Engineering Department, Govt. of Karnataka Bangalore.
 - ix) **Water Quality of Tungabhadra River Under GEMS/ MINARS Since 1995.** Sponsored by Karnataka State Pollution Control Board, Bangalore.

- Projects ongoing** : i) **Study of Atmospheric Awful microorganisms in Industrial Sector of Davangere District Since 2011.** Sponsored by University Grants Commission, New Delhi.
- ii) **Water Quality of Tungabhadra River along Davangere and Harihar town stretches. Under NRCD programme since 1999.** Sponsored by National River Conservation Directorate, New Delhi.
- iii) **Water Quality Monitoring Under Jananirmal Project,** from MDP Consultant, New Delhi.
- iv) **“Optimization of Biomethanation process for High TDS spent wash from Distilleries” year 2007 – 2008.**

12. CONSULTANT FOR EIA STUDIES, DESIGN & INSTALLATION OF EFFLUENT TREATMENT PLANT

- i. M/s. Shamanuru Sugar Ltd., Duggavathi, Davanagere District.
- ii. M/s. Samson Distilleries Pvt. Ltd., Duggavathi. Davanagere District.
- iii. M/s. Davanagere Sugar Company, Kukkawada, Davanagere District.
- iv. Green Agro Pack, Hebbal, Davanagere.
- v. Pandavapura co-operative sugar factory Pandavapura, Mandya District.
- vi. Davanagere Wire rope, Davanagere.
- vii. Someshwara Sahakari Sakkare Karkhane Ltd., Bailhongal Belgaum (Dist.).
- viii. Mahatma Gandhi Sahakari Sakkare Karkhane Ltd., Balki, Beedar (Dist.).
- ix. Prabhulingeshwara Sahakari Sakkare Karkhane Niyamit, Siddapura, Bagalkot Dist..
- x. Mrudagiri Sahakari Sakkare Karkhane Niyamit, Mundragi, Dharwad (Dist.).
- xi. National Chemicals & Fertilizers, Davanagere..
- xii. Gem laboratory, Davanagere.
- xiii. M/s. Indian Cene Power Limited, Uttur, Mudhol, Bagalkot.
- xiv. M/s. Universal Bottlers, Bangalore.
- xv. Sri. Renuk Sugars Limited, Burlatti, Athani, Belgaum.

- xvi. Involved in overall development of Davanagere City as a technical Advisor to District In-charge Minister during the year 2000 - 2004.
 - a. Water supply to Davangere town through Kundwada lake.
 - b. Road network.
 - c. Low cost Housing construction for needy.
 - d. S.T.P & W.T.P Design and execution to Davangere town.
- 13. OTHER ACTIVITIES** : • Responsible to Establish Environmental Science & Technology study centre in Bapuji Institute of Engg & Technology, Davangere.
- 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** : • **Scientist of the year – 2011** by National Environmental Science Academy, New Delhi – 110 019

14. THE DETAILS OF RESEARCH PAPERS PUBLISHED:

1. Study of some of the correlation coefficient of some physico-chemical parameters of river tungabhadra. Ind. J. Of pollution research vol. 98 (5) 1998.
2. “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.
3. “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.
4. “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.
5. International journal of contemporary engineering sciences bulgaria air borne fungal concentrations of morning and evening in industrial sector of davangere city karnataka india using two sampling methods

6. Assessment of air quality in shivamoga city karnataka india. Advance in environmental sciences international journal of the bioflux society of romania (volume-3(1);12-16.
7. Phytoplankton for biomonitoring of organic pollution in two tanks of davangere district, karnataka, india international journal of proenvironment Romania volume 2, no.2/2011.
8. Zooplankton diversity and its relationship with physico-chemical parameters in kundavada lake, of davangere district, karnataka, india. International journal of south –western journal of horticulture, biology and environment 2, no.2/2011
9. Studies on mangalore coastal water pollution and its sources(volm;4 no;5;gs553-557) indian journal of science and technology(issn:0974-6846) international.
10. 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).
11. Study of physico chemical characteristics of mangalore coastal waters.(volm 9;no;4 pgs 733-736) volm 9 no;4) nature environment and pollution technology (issn:0971-4871).
12. International journal of earth sciences and engineering. (volm 04 no;1) (issn; 0974-5904) study of mangalore coastal water pollution by analysis of physico-chemical parameters (pges 57-64).
13. Studies on environmental status of tungabhadra river near harihar, Karnataka (India), J. Aquac. Biol, vol 23(2), 2008;
14. 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.
15. Air borne fungi diurnal congregation in industrial sectors of Davanagere city, Karnataka, India. International Journal of Engineering Sciences Research-IJESR, Vol 03, Issue 03; July 2012.
16. Status of groundwater quality in challakere taluk, karnataka, india international journal *eemj* Romania (Communicated)
17. Diurnal variation in water quality of kundawada lake, in davangere district, karnataka india . Indian journal of environmental protection (Communicated).
18. 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.

15. PRESENTED /PUBLISHED IN INTERNATIONAL AND NATIONAL LEVEL SYMPOSIA AND SEMINAR

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 22nd and 23rd 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 28th to 30th October 2005.
3. "Studies on Environmental status of Tungabhadra River near Harihar, Karnataka (India)" **Journal of Aquatic Biology**, Vol. 23(2) 2008.
4. "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.
5. "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 12th to & 13th March 1999.
6. "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).
7. "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 4th and 5th October 2004.
8. "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 4th and 5th October 2004.
9. "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 4th and 5th October 2004. Sponsored by ISTE, Karnataka Section and Kuvempu University.

10. "Assessment of the Role of Water Supply & Sanitation Systems in Quality of Life in Rural Areas" paper presented at "All India Seminar on PURE" held on 11th & 12th March 2006 at Mysore, organized by the Institute of Engineers (India), Mysore.
11. "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 22nd – 24th, 2008.
12. "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 22nd – 24th, 2008.
13. 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 19th February 2011 in collaboration with P.G. dept of analytical chemistry D.R.M. Science college, Davangere
14. International Conference" Green Summit on Climate Change-Issues and Concerns" at Hyderabad on 12/11/2010 and 13/11/2010
15. "Removal of Iron 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 19th Feb 2011.
16. "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 23rd -24th, 2011.

**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 |

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

| | |
|---------------------------------|--|
| <i>Name of Research Scholar</i> | Smt. M. G. Thriveni |
| <i>Department</i> | Environmental Science & Technology Study Centre |
| <i>Ph. D Thesis title</i> | “Studies on Ground Water Quality In and around Channageri ” |
| Registration Date | No. 665/dt. 15.06.2004 |
| Institute – University | Kuvempu University, Shankaragatta |
| <i>Name of Research Scholar</i> | 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” |
| Registration Date | No.764 dt. 04.05.2005 |
| 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” |
| Registration Date | No.202 dt. 18.06.2009 |
| 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” |
| Registration Date | No.204 dt. 17.06.2009 |
| 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 Costal regions of Mangalore” |
| Registration Date | No. dt. |
| Institute – University | Kuvempu University, Shankaragatta |
| <i>Name of Research Scholar</i> | Sri. Manjunath H |
| <i>Department</i> | Environmental Science & Technology Study Centre |
| <i>Ph. D Thesis title</i> | “Assessment of Ground Water Qualities Around Chitradurga District and Andrapradesh Boarder Villages” |
| Registration Date | No.2044 dt. 17.06.2009 |
| 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> | 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” |
| Registration Date | No. 4BD04PCN01 dt.27 th April 2006 |
| Institute – University | (Thesis Submitted to the University) Visvesvaraya Technological University, Belgaum. |