

RESUME OF B.M.KRISHNA

NAME : **Dr. B.M. KRISHNA**

FATHER'S NAME : Motaiah (Late)

DATE OF BIRTH : 20th June, 1971

NATIONALITY : Indian

PERMANENT ADDRESS : Dr. B.M.Krishna
S/o. Motaiah (Late)
100, "Bheema Sadana",
Benamanahally Village,
Lingapatna Post, Halagur Hobli,
Malavalli Taluk, Mandya District,
PIN – 571 421.KARNATAKA.

POSTAL ADDRESS : Dr. B.M.Krishna
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Department of Environmental Engineering
JSS Science & Technology University
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EDUCATIONAL QUALIFICATION:

Course	Institution/ University	% of Marks	Year of Passing	Class Obtained
B.E., (Civil Engineering)	P.E.S. College of Engineering, Mandya, University of Mysore	72%	1993	I Class
M.Tech., (Environmental Engineering)	P.E.S. College of Engineering, Mandya, University of Mysore	80%	1998	I Class with Distinction
Ph.D. (Env. Engineering)	Bangalore University,	-	2012	Degree awarded

Project at B.E., level :“Design of Water Supply Distribution System for Sathanur Layout of Mandya City”

M.Tech., thesis: “Study on Composition and Trophic Status of Thonnur Lake, Pandavapura Taluk, Mandya District, karnataka”

Ph.D., thesis : “Study on the Treatment of Distillery wastewater by Electrochemical oxidation technique”

Major subjects studied in M.Tech., : Modeling of Environmental Systems, Optimization Techniques in Engineering, Advanced Wastewater Treatment, Air and Noise Pollution and Control, Ecology and Environmental Impact Assessment, Advanced Water Treatment.

EXPERIENCE:

1. Worked as a **Project Engineer** in HPCL Project entitled “Development of Computer Model to Predict the Location of Petroleum Oil Slick, Downstream of River Crossing Locations of Mangalore – Bangalore HPCL Pipeline” of Department of Environmental Engineering, S.J. College of Engineering, MYSORE – 570 006. (03.01.1999 to 01.04.2000)
2. Involved in Field Survey of the consultancy project “**River Water Quality Monitoring of River Cauvery and Kabini at Srirangapatna, K.R. Nagar and Nanjangud**”, under NRCDC, Ministry of Environment and Forest, Government of India, New Delhi

ACADEMIC EXPERIENCE:

Position (Designation)	Duration	Institute
Lecturer	10.04.2000 to 09.04.2005	S.J.C.E, Mysore
Lecturer (Senior Scale)	10.04.2005 to 04.11.2008	S.J.C.E, Mysore
Assistant Professor	05.11.2008 to 04.11.2011	S.J.C.E, Mysore
Associate Professor	05.11.2011 to till date	S.J.C.E, Mysore
Professor (Due)	From 5.11.2014	S.J.C.E, Mysore

COMPUTER KNOWLEDGE :

Operating System : MS-DOS, WINDOWS, UNIX

Environmental Related Packages : MIXANDAT, TWODIFIN, WATPLANT, LOOP, RMAIN, GRAPHICS PACKAGES,

Computer Languages : C Language,

Others : AUTOCAD2000

MEMBERSHIPS

- Life Member, Indian Society for Technical Education (ISTE) LM-33645
- Life Member, Institution of Engineers (India) (MIE) M-142836/5
- Fellow member, Institution of Engineers (India) (FIE) F-121817/0

- Life Member, Environmental Engineering Association(karnataka) LM-151

PROJECTS/THESIS GUIDED : Undergraduate (B.E.) - 18 batches
Post graduate (M.Tech.,) - 16

Ph.D. (under progress) **04** : 02 (VTU, Belgaum) + 02 (JSS S&TU)

LECTURES DELIVERED :

- Delivered lectures in the CPHEEO sponsored Refresher Courses / Three month Short-term courses for working professionals of various Government organizations like PWD, CPWD, PHED, Zilla Panchayat's, etc.

➤ AWARDS:

1. Under graduate level KSCST sponsored project entitled “Performance study of a sequential UASB reactor for treatment of distillery spent wash” won the “**Best KSCST project**” prize for the year 2005-2006.
2. The research paper entitled “**Electrochemical treatment of biodigestor effluent (BDE) followed by anaerobic digestion**” by B.M.Krishna, Shruthi M., Usha N. Murthy, K.S.Lokesh, has been awarded **best paper presentation award in national conference on industrial pollution and control technology (IPCT-13) -2013** held at Department of chemical engineering, faculty of engineering and technology, Annamalai University, Annamalai Nagar, Tamilnadu, on 14th and 15th March 2013.
3. Have been granted a certificate of FELLOW of Institution of Engineers,India(FIE) F-121817/0 on 21-10-2016

SEMINARS / COURSES / WORKSHOPS / CONFERENCES / TRAINING PROGRAMMES ATTENDED-

- 1 Attended AICTE sponsored short-term programme on **“Induction Training for Teachers in Engineering Education”**, held at KREC, Surathkal, from 14th August to 02nd September 2000.
- 2 Attended ISTE sponsored short-term programme on **“Unix Operating System – A Unix Literacy Course”**, organized by Department of Electronics & Communication Engineering, held at S.J. College of Engineering, Mysore, 04-16 September 2000.
- 3 Attended AICTE-ISTE sponsored short-term training programme on **“Managing Hazardous Wastes in the New Millennium (MHWNM)”**, organized by Department of Environmental Engineering, S.J. College of Engineering, Mysore, 03-15 September 2001.
- 4 Attended 5-day Management Development Programme on **“Skills and Sensitivity for Improved Performance – A Development Approach”**, conducted by Centre for Management Studies, S.J. College of Engineering, Mysore, during 1-5 July 2002.
- 5 Attended two-day **ISTE Orientation Programme, on 20-21 July, 2002**, conducted by ISTE, SJCE Chapter, Mysore.
- 6 Attended one-day workshop on **“Intellectual Property Rights and Patenting”**, sponsored by **DST**, organized by SJCE, Mysore, on 16th November 2002, at JSSPPH Seminar Hall, SJCE Campus, Mysore.
- 7 Attended Intensive Workshop on **“Bioinformatics”** training programme organized by “Bio Informatics Centre”, Central Sericultural Research and Training Institute, Central Silk Board, Srirampura, Mysore, Karnataka, during 3-7 February 2003.
- 8 Attended AICTE sponsored Two-Day National Seminar on **“Emerging Treatment Technologies for High and Medium Strength Wastewaters”**, organized by Department of Environmental Engineering, S.J. College of Engineering, Mysore, 08-09 January, 2004.
- 9 Attended AICTE sponsored Short-term Staff Development Programme on **“Advances in Wind Disaster Mitigation and Physical Modelling of Air Pollutant Transport (WDM & PMAPT)”**, organized by Department of Civil Engineering, P.E.S. College of Engineering, Mandya – 571 401, held on 27th January – 8th February 2004.
- 10 Attended AICTE-ISTE sponsored short-term training programme on **“Noise Measurement Analysis and Control”**, organized by Acoustics Laboratory, Department of Mechanical Engineering, S.J. College of Engineering, Mysore, 8-13 March, 2004.
- 11 Attended AICTE sponsored two-day workshop on **“Solid Waste Management in Urban Areas”**, held at Bapuji Institute of Engineering and Technology, Davangere, 11th and 12th June 2004.
- 12 Attended AICTE sponsored **Faculty Upgradation Programme on “Environmental Economics”**, organized by Department of Environmental Engineering, S.J. College of Engineering, Mysore, 6-18 September 2004.

- 13 Attended AICTE sponsored two-day **National Seminar on “Advanced Technologies in Industrial Hazardous Waste Management”**, organized by Department of Environmental Engineering, S.J. College of Engineering, Mysore, 6-7 December, 2004.
- 14 Attended two-day **International Conference on “Water and Health”**, organized by S.J. College of Engineering, Mysore and JSS Medical College, Mysore, on 22-23 January 2005.
- 15 Attended AICTE sponsored **Staff Development Programme on “Integrated Solid Waste Management”**, held at P.E.S. College of Engineering, Mandya, during 22nd August 2005 to 03rd September 2005.
- 16 Attended **two-day National Conference on “Hydraulic and Water Resources (HYDRO-2005)”**, held at SIT, Tumkur, 8-9 December 2005.
- 17 Attended two-day programme on **“SIX SIGMA – for Business Excellence”**, organized by SJCE-STEP and Quality Circle Forum of India, Bangalore Chapter, during 16-17 December 2005.
- 18 Attended **TEQIP** Sponsored faculty upgradation programme on **“Safety and Security of Environmental Facilities”**, organized by Department of Environmental Engineering, S.J. College of Engineering, Mysore, 4-8 September, 2006.
- 19 Attended the workshop on **“Depth of study, model question and preparation of question bank for the subject 06 CIV 18/ 06 CIV 28: Environmental studies”** on 5th, 6th, 7th December 2006, held in the Department of Civil Engineering, S.J. College of engineering, Mysore. Organized by VTU, Belgaum.
- 20 Attended seminar on **“Students Evaluation Method in Autonomous Institutions”** at Department of Civil engineering and Mechanical engineering, Malnad College of Engineering, Hassan, 9-10 February 2007,
- 21 Attended **“QIP short-term course on Applications of GIS and Remote Sensing”** Centre for Continuing Education, Indian Institute of Science, Bangalore 12-17 March 2007.
- 22 Attended National seminar on **“Hazardous materials management** organized by ACHMM-India chapter, Department of Civil Engineering, Bangalore Institute of Technology, Bangalore, held from 4-5, February, 2008.
- 23 Attended one day awareness training programme on **“Biodiversity related issues and people’s biodiversity register”** organized by Department of Civil Engineering, UVCE, Bangalore University, Bangalore, held on September 24th, 2007
- 24 Attended National conference on **“Current trends in environmental science and sustainable development (NCESD-2009)** organized by Department of studies in Environmental Science, University of Mysore, Mysore held on 27th and 28th February, 2009

- 25 Attended National symposium on “**Environmental safety and management**” organized by Department of Environmental engineering, held at Vidyavardhaka college of Engineering, Mysore on 7th, March 2009.
- 26 Attended refresher course on “**Water quality monitoring and surveillance**” conducted by Department of Environmental engineering, S.J.College of Engineering, Mysore, from 2nd to 13th, November, 2009.
- 27 Attended international conference on “**Challenges to biodiversity and environment for sustainable development**” organized by JSS Mahavidya peetha, JSS technical institution campus, Mysore, India, from 12-14, March, 2010.
- 28 Attended national seminar on “**Sustainability of drinking water supply systems with references to multi village schemes**” (SDWMS-2010) to commemorate “ world water day” organized by Department of Civil Engineering, Dayanandasagar College of Engineering, Bangalore, held on 22-23, March, 2010.
- 29 Attended “**Indo-US seminar on Environment safety, health and industrial hygiene and three day training course on Hazardous materials management**” organized by ACHMM-India chapter, Department of Civil Engineering, Bangalore Institute of Technology, Bangalore, from 22-25, November, 2010.
- 30 Attended one day “**Awareness Programme on Green Buildings**” organized by ISTE, ministry of new and Renewable Energy, GOI, and National Institute of Engineering, Mysore on 20th September, 2011.
- 31 Attended one day international workshop on “**Development of E-resources in Engineering Education**” organized jointly by the Education media centre and Resources centre, NITTTR, Chennai and Department of computer science and Engineering, SJCE, mysore on 28th November, 2011.
- 32 Attended a training programme on “**Earthquake Resistant Construction Practices**” organized by Department of Civil engineering, SJCE, Mysore and Karnataka Disaster Management Cell, Government of karnataka, from 1-3, December 2011.
- 33 Attended three day workshop on “**Wastewater Treatment Technologies**” jointly organized by Department of Civil Engineering, NIE, Mysore and McMaster University, Hamilton, Canada from 7-9, December 2011.
- 34 Attended a one day technical seminar on “**Nuclear Energy-Environmental safety**” (NEEDS-2012) jointly organized by Indian Nuclear Society, Mysore and Department of studies in physics, University of Mysore on 3rd march 2012.
- 35 Attended a one day seminar on “**Recent Developments in Computer Aided Drug Design and Computational Biology**” jointly organized by Department of Biotechnology, SJCE, Mysore in association with Schrodinger, GmbH, India, Bangalore on 22 May 2012.

- 36 Attended “**International Conference on Current Trends in Engineering and Management**” (ICCTEM-2012)” organized by Vidyavardhaka College of Engineering, Mysore, Karnataka from July 12-14, 2012.
- 37 Attended a technical seminar on “**ATOMS in the service of the nation**” jointly organized by Indian Nuclear Society, Mysore, The Institution of Engineers (India), Mysore local centre, Board of Research in Nuclear Sciences, Mumbai and SJCE, Mysore on 13th October 2012.
- 38 Attended 2 day workshop on “**Examination & Evaluation, Academic auditing & quality assurance**” sponsored by TEQIP Phase II and conducted by Department of Environmental Engineering in association with National Testing Service-India, CIIL, Mysore, held on 31st August & 1st September 2013.
- 39 Attended two days **National workshop on “Environmental Biotechnology & Sustainability (EBTS-2013)”**, was organized by Department of Biotechnology, NIT Warangal, Andhra Pradesh, held from 25-26, October, 2013.
- 40 Attended AICTE sponsored short term course on “**Modelling Approaches for free surface flow and water quality management**”, was organized by Department of Civil Engineering, IIT Madras held from 18-30, November, 2013.
- 41 Attended AICTE-MHRD sponsored Faculty development program on “**Changing scenario in Energy and Environment-CSEE 2013**”, was organized by Department of Chemical Engineering, NIT Calicut, Kerala, held from 9-13, December, 2013.
- 42 Attended TEQIP-II sponsored Training program on “**Groundwater flow and contaminant transport modeling (GFCTM-2013)**”, was organized by Department of Civil Engineering, NIT Calicut, Kerala, held from 27-28th, December, 2013.
- 43 Attended two-day national conference “Recent trends in chemical research (NCRTCR-2014)”, organized by department of chemistry, S.J. College of Engineering, Mysore, Karnataka, on 3-4th January 2014
- 44 Attended one week short term training programme on “**Mathematical, Statistical, Operation research based Modelling and Simulation for researchers, Engineers and Scientists (MSOMSRES-2014)**”, was organized by Department of Applied Mathematics & Humanities, Sardar Vallabhbhai National Institute of technology, Surat, Gujarat, held from 27-31st, January, 2014.
- 45 Attended one week short term training programme on “**Nanomaterials: Synthesis and Characterization**”, was organized by Department of Physics, NIT Kurukshetra, Haryana, held from 11 -15, March 2014.
- 46 Attended one week short term training programme on “**Ordinary and Partial Differential Equation: Analysis and Applications**” (Co-sponsored by TEQIP-II) was organized by Department of Mathematics & Computer Applications, Maulana Azad National Institute of Technology, Bhopal, Madhya Pradesh, held from May 27-31, 2014

- 47 Attended **NBA workshop** for Experts/Evaluators/Stakeholders on Outcome Base Education on 7th June 2014 (one day Webinar) and 14-16th June 2014 (Three Days Personal Training) organized by **JSS Academy of Technical education, Noida**, in association with National Board of Accreditation (NBA), New Delhi.
- 48 Attended AICTE sponsored QIP short term training programme on “**Air Quality Modelling**” was organized by Department of Civil and Chemical Engineering, **IIT Madras** held from 10-22, November, 2014.
- 49 Attended TEQIP sponsored Faculty development programme on “**Computational Linear Algebra**” was organized by Department of Electronics and communication Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, held from 7-11th , December, 2016.
- 50 Attended MHRD sponsored Global initiatives for academic network (GIAN) programme on “**Solid waste management-feasibility of technology transfer**” was organized by Department of Environmental Engineering, Sri Jayachamarajendra College of Engineering, Mysuru, held from 10-20th , February, 2017.
- 51 Attended **CSE’s first regional Knowledge conclave** in south india. The event was held on September 6 and 7, 2018 at JSS Science and Technology University, mysuru for colleges and universities, organized by Centre for Science and Environment (CSE)
- 52 Attended one week TEQIP-III sponsored “**Geospatial technologies**” organized by department of construction technology, JSS Science and Technology university(SJCE) from 15th – 19th , july 2019.
- 53 Attended one week TEQIP-III sponsored “**Advanced materials for energy, water and health**” jointly organized by department of polymer science and technology and department of Environmental Engineering , JSS Science and Technology university(SJCE) held during 22nd to 27th july 2019.
- 54 Attended one week TEQIP-III sponsored “**work study professional**” organized by department of industrial and production department , JSS Science and Technology university(SJCE) held during 6th - 10th august 2019.
- 55 Attended two days **35th National Convention of Environmental Engineers & national conference: green technology for clean and green india** organized by Institution of Engineers (India) Karnataka state centre, Bengaluru, held during 17th-18th august, 2019
- 56. WEBINAR on 4th August, 2020, 11.00 AM -12.00 NOON**
- SPEAKER:** Dr.Deepesh V, Scientist C, CPCB, BENGALURU
TOPIC:AN OVERVIEW ON INDIAN ENVIRONMENTAL REGULATORY FRAMEWORK IN PRESENT CONTEXT
- 57. WEBINAR on 5th August, 2020, 11.00 AM -12.00 NOON**
- SPEAKER:** Dr. B.S. Anupama, Scientist C, CPCB, BENGALURU
TOPIC: WATER QUALITY MONITORING PRESERVATION AND ANALYTICAL TECHNIQUES
- 58. WEBINAR ON 5th August, 2020, 3.00PM -04.00 PM**

SPEAKER: Sri. Karthikeyan S, Scientist C, CPCB, BENGALURU
TOPIC: SOURCE EMISSION MONITORING TECHNIQUES

59. WEBINAR on 6th August, 2020, 11.00 AM -12.00 NOON

SPEAKER: AnjanaKumari V Scientist D, CPCB, BENGALURU
**ONLINE CONTINUOUS EFFLUENT AND EMISSION MONITORING SYSTEM:
REGULATORY PERSPECTIVE**

60. WEBINAR ON 6th August, 2020, 3.00PM -04.00 PM

SPEAKER:Smt. Poornima B M, Scientist D, CPCB, BENGALURU

TOPIC: E-WASTE (MANAGEMENT AND HANDLING) RULES, 2016

61. WEBINAR ON 24th August, 2020, 11-12.30 PM

SPEAKER:Dr.Sabita Madhvi Singh, Joint director, National River Conservation
directorate, Department of Water resource, RD&GR, Ministry of Jalshakti, New Delhi
TOPIC: River Rejuvenation importance and issues in contest of present scenario and
crisis

62. WEBINAR ON 25th August, 2020, 11-12.30 PM

SPEAKER:D.Ravi Environmental Officer KSPCB, Bangalore

TOPIC: Environment V/S Economic development

63. Attended one week online FDP on “**smart cities**” conducted by AICTE Training and Learning Academy held from 1.2.2021 to 5.2.2021.

63. Attended five days online FDP on “**sustainable design with pre-engineered techniques:-
An approach towards Eco-friendly buildings**” conducted by AICTE Training and Learning Academy held from 13.9.2021 to 17.9.2021.

63. Attended one week online FDP on “**GIS & Remote Sensing**” conducted by AICTE Training and Learning Academy held from 20.9.2021 to 24.9.2021. at National power training institute-Shivapuri (M.P.)

64. Attended one day workshop on “**Design Thinking**” held on July 11, 2022 organized by JSSSTU-IIC in association with Infosys, Mysore.

Consultancy:

1. **Involved in Green audit** for JSS college for womens , Kollegal for
Rs.10,000.00 (2020)

- 2 **Involved in environmental audit** for JSS college for womens , Kollegal for Rs.15,000.00 (2021)

Research Papers publications

International Journal

1. **B.M.Krishna**, Usha N. Murthy, B. Manojkumar, K.S.Lokesh, “**Electrochemical pretreatment of distillery wastewater using aluminum electrode**” International journal of Applied Electrochemistry”, Vol .40(3), pp 663-673, (2010) .
2. **B.M.Krishna**, Usha N. Murthy, B. Manojkumar, K.S.Lokesh, “**Improvement of BOD₅/COD ratio of pre-treated distillery wastewater by electrochemical treatment method**” International journal of environmental research and development”, Vol .4(1), pp 90-100, (2009).
3. **B.M.Krishna**, Usha N. Murthy, B. Manojkumar, K.S.Lokesh, “**Study of the electrochemical process for distillery wastewater treatment**” International journal of environmental research and development”, Vol .5(1), pp 134-140, (2010).
4. **B.M.Krishna**, Usha N. Murthy, M. Shruthi, K.S.Lokesh, “**electrochemical treatment of biodigester effluent (BDE) followed by anaerobic digestion**” International journal of Chem. Tech research”, Vol .5(3), pp 1376-1378, (2013).
5. T. S. Mamatha, T. N. Parinitha, Pushpa Tuppad, B. Manoj Kumar and **B. M. Krishna** “**Water Quality Monitoring and Trophic status classification of Karanji Lake, Mysore**” , International Journal of Current Engineering and Technology, Special issue, pp 43-48, September 2013,
6. M. Shruthi, K. S. Lokesh, **B. M. Krishna** and Usha N Murthy “**Color Removal from Bio-Digester Effluent (BDE) by Electrochemical Treatment with and Without Fenton Reagent**” International Journal of Current Engineering and Technology, Special issue, pp 115-117, September 2013.
7. M. Shruthi, K. S. Lokesh, **B. M. Krishna** and Usha N Murthy, Vijaya M“ **Fenton Reagent in Electrochemical Treatment of Bio-Digester Effluent (BDE)**” International Journal of Research & Review: Journal of Engineering and Technology, Vol. 2 (3), pp205-208, (2013)
8. Vijaya M., **B. M. Krishna** and Usha N Murthy M. Shruthi, “**Electrochemical Treatment of Bio-Digester Effluent (BDE)**” International Journal of Research & Review: Journal of Engineering and Technology, Vol. 2 (3), pp244-247, (2013)
9. **Krishna B. M.**, Nagabhushana B.M., Anitha S., Sahana M., “**Color removal from Textile wastewater using CuO nano particle coated on sand, cinder and GAC**”, International Journal of Civil engineering and Technology (IJCET), Vol. 5 (9), pp79-84, (2014).

10. Shruthi M, Lokesh K.S., **Krishna B. M.**, “**Electrochemical treatment technology in Biodigester Effluent treatment (BDE)**” International Journal of Civil engineering and Technology (IJCIET), Vol. 5 (9), pp85-89, (2014).
11. Kavyashree M., **Krishna B. M.**, Manoj Kumar B., “**Assessment of Air Quality using Air Quality Indices for a Roadway Passing through Commercial Area in Mysore City**” International Journal for Scientific Research & Development(IJSRD), Vol. 3 (4), pp636-639, (2015).
12. Kavyashree M., **Krishna B. M.**, Manoj Kumar B., “**Monitoring and prediction of PM10 dispersion from vehicular pollution in mysuru**” International Journal of Science Environment and Technology (IJSET), Vol. 4 (4), pp1119-1125, (2015).
13. Najamussahar H Mulla, **Krishna B. M.**, Manoj Kumar B., “**C Program for River Water- Quality Nitrogen Model**” International Journal for Scientific Research & Development(IJSRD), Vol. 3 (4), pp640-641, (2015).
14. Murugesh Katti, **Krishna B. M.**, Manoj Kumar B., “**Design of Sewer Network for Vijayapur City Using SEWER Version 3.0 Software**” International Journal for Scientific Research & Development(IJSRD), Vol. 3 (4), pp649-654, (2015).
15. Murugesh Katti, **Krishna B. M.**, Manoj Kumar B., “**Comparative study of Sewer version 3.0 and SewerGems V8i softwares for sanitary sewer network design**” International Journal of Science Environment and Technology (IJSET), Vol. 4(4), pp1019-1024, (2015).
16. Murugesh Katti, **Krishna B. M.**, Manoj Kumar B., “**Design of sanitary sewer network for District 2B, Vijaypur city using SewerGEMS V8i Software**” International Journal of Science, Engineering and Technology Research(IJSETR), Vol. 4(8), pp2766-2771, (2015).
17. Murugesh Katti, **Krishna B. M.**, Manoj Kumar B., “**Design of sanitary sewer network using SewerGEMS V8i Software**” International Journal of Science Technology & Engineering (IJSTE), Vol. 2(1), pp254-258, (2015).
18. Vishnu Sharma A., **Krishna B. M.**, Shruthi G.M, Vyshali Prakash., Pradeep Kumar H.R and Nishitha J. Dsouza., “**Computer Aided Design of Water Distribution System and Sewer System for Vijayanagara Layout of Mysore City**”, Universal Journal of Environmental Research and Technology (UJERT), Vol. 5(2), pp112-121 (2015)
19. Pushpalatha M., and **Krishna B.M.**, “**Electro Fenton process for wastewater treatment-A review**” International journal of advance research, ideas and innovations in Technology (IJARIIT), Vol No.3(1), pp439-451 (2017). ISSN:2454-132X,www.ijariit.com

20. Nethravathi V S., and **Krishna B.M.**, “**Electro chemical treatment of leachate by monopolar configuration using iron electrode**” International journal of research in Engineering and Technology (IJRET), Vol No.6(11), pp69-73 (2017). <http://www.ijret.org> eISSN:2319-1163|pISSN:2321-7308,
21. Yashas S R, Shivakumara B P, Udayashankara T H, Krishna B.M, “**Laccase Biosensor: Green Technique for Quantification of Phenols in Wastewater (A Review)**”, Oriental Journal of Chemistry, Vol No.34(2), pp631-637 (2018) (web of sciences) ISSN : 0970 - 020X, ONLINE ISSN : 2231-5039, <https://www.orientjchem.org>
22. Bharath M, **Krishna B M**, Manojkumar B, “**A review of electrocoagulation process for wastewater treatment**” International Journal of ChemTech Research (IJCR), Vol No.11(03), pp289-302 (2018) (Scopus index:ISSN:0974-4290) ISSN: 0974-4290, ISSN(Online):2455-9555, www.sphinxesai.com
23. Neshma C M and Krishna B M.”**Review on treatment of industrial wastewater by electrochemical coagulation (ECC)**” International Journal of advance Research, Ideas And Innovations in Technology (IJARIIT) vol No.4(4), pp968-979 (2018)(ISSN:2454-132X) (IF:4.295), www.ijariit.com
24. Bharath M, B.M.Krishna, and B. Manoj Kumar “A Degradation and biodegradability improvement of the landfill leachate using electrocoagulation with Iron and Aluminum electrodes: a comparative study , Water practice and technology(2020) doi:10.2166/wpt.2020.041 IWA publishing(Scopus), Vol No. 15(2), pp540-549
25. Bharath M, B.M.Krishna, and B. P. Shivakumar “Electrocoagulation treatment for removal of color and Chemical oxygen demand in landfill leachate using Aluminum electrodes, International journal of recent technology and Engineering (IJRTE),ISSN:2277-3878, vol.8(4), pp89-92, November(2019) (Scopus)
26. Bharath M, and B.M.Krishna, “Electrocoagulation treatment for landfill leachate using Stainless steel electrodes, International journal of Engineering and advanced technology (IJEAT),ISSN:2249-8958, vol.9(1), pp2851-2855,october(2019) (Scopus)
27. Najamussahar H Mulla, J mohammed nayaz Baig, **Krishna B. M**, Manoj Kumar B. Mudassira Tahneet B. Lahori, “**Estimation of rate constant for nutrient transformations**” International journal of recent technology and Engineering (IJRTE),ISSN:2277-3878, vol.8(3), pp89-92, September(2019) (Scopus)
28. Najamussahar H Mulla, **Krishna B. M**, and Manoj Kumar B. “**A review on water quality models:QUAL,WASP,BASINS,SWAT and AGNPS**” International journal of Scientific research in civil engineering (IJSRCE),ISSN:2456-6667, vol.3(4), (2019).

29. Najamussahar H Mulla, Krishna B. M, and Manoj Kumar B, Arunkumar K, Mudassira Tahneet B. Lahori, “ River water quality modeling using AutomatedQUAL2K”, international journal of interdisciplinary Global Studies, ISSN No.2324-755X: (2020)
30. Arunkumar K, Bharath M, and B M Krishna 2021, “**Adsoption kinetics of reactive dye using agricultural waste: Banana stem**”,Water practice and technology” doi:10.2166/wpt.2021.106 (IWA publishing)
31. R. Leela, Najamussahar H Mulla, B. M. Krishna (2021) “**Application of automated QUAL2Kw for water quality modeling in the kabini river mysuru**”, International journal of scientific research in science and Technology, Vol. No.8(4):pp130-136. Print ISSN:2395-6011|online ISSN:2395602X (www.ijrst.com) (doi:https://doi.org/10.32628/IJSRST).(Journal URL : <https://ijrst.com/IJSRST217491>)

National Journal

1. **B.M.Krishna**, Usha N. Murthy, B. Manojkumar, K.S.Lokesh, “**Investigation of the electrochemical treatment for distillery wastewater**”, Journal of Environmental Science and Engineering, Vol.53(2), pp191-194, (2011)

International Conference

1. Presented a research paper “**Colour Removal from Textile Industry Effluents Using Orange Peel and Sawdust as Adsorbents**”, by **B.M. Krishna**, Dr. T.P. Halappa Gowda and Ms. Chaitra Manjunath, (2005), in the International Conference on “Water & Health – WAH-05”, organized by S.J. College of Engineering and JSS Medical College, Mysore, on 22-23 January 2005.
2. Research paper “**Pretreatment of distillery wastewater by electrochemical technique**” by **B.M.Krishna**, Usha N. Murthy, B. Manojkumar, K.S.Lokesh, published in in fifth international conference on “Environmental Science and Technology-2010, proceedings held at Houston, Texas, USA, on july, 12-16,2010.
3. Research paper “**Electrochemical Treatment of Bio-Digester Effluent using Aluminum Electrode with Fenton Reagent**” by **Krishna B. M.**, Shruthi. M, Lokesh K. S, Usha N. Murthy published in the proceedings of **International Conference on Current Trends in Engineering and Management (ICCTEM-2012)**” organized by Vidyavardhaka College of Engineering, Mysore, Karnataka held during july 12-14, 2012.
4. Research Paper “**Treatment Automobile service station wastewater by electrocoagulation using Iron electrodes**” by Lakshmi S, **Krishna . B. M**, Lokesh K. S, published in the proceedings of **International Conference on Current Trends in Engineering and Management (ICCTEM-2012)**” organized by Vidyavardhaka College of Engineering, Mysore, Karnataka held during july 12-14, 2012.
5. Research paper “**Copper removal from industrial wastewater using Activated Banana Peel as Adsorbent**” by Yashika T.A, **Krishna . B. M**, Lokesh K. S, Suman E.,

published in the proceedings of **International Conference on Current Trends in Engineering and Management” (ICCTEM-2012)”** organized by Vidyavardhaka College of Engineering, Mysore, Karnataka held during July 12-14, 2012.

6. Research paper **“Assessment of Groundwater Quality in and around Hebbal Industrial Area, Mysore”** by Prakash Paul, **Krishna . B. M**, Lokesh K. S, Dattaraj PM., published in the proceedings of **International Conference on Current Trends in Engineering and Management” (ICCTEM-2012)”** organized by Vidyavardhaka College of Engineering, Mysore, Karnataka held during July 12-14, 2012.
7. Research paper **“Nano CuO as adsorbent for color removal from textile wastewater”** by Anitha S, **Krishna . B. M**, Nagabhushana B.M, Sahana M, Mahesh S, published in the proceedings of **International Conference on Energy Technology, Power Engineering and Environmental sustainability (ETPEES-2014)”** organized by “Krishi Sansriti” held from 21-22, June, 2014, at JNU New Delhi.
8. Research paper **“Color removal from Textile wastewater using CuO nano particle coated on sand, cinder and GAC”** by **Krishna . B. M**, B. M, Nagabhushana B.M, Anitha S, Sahana M., published in the proceedings of **International Conference on Current Trends in Engineering and Management” (ICCTEM-2014)”** organized by Vidyavardhaka College of Engineering, Mysore, Karnataka held during July 17-19, 2014.
9. Research paper **“Electrochemical treatment technology in Biodigester Effluent treatment (BDE)”** by Shruthi M, Lokesh K.S, **Krishna B.M.**, published in the proceedings of **International Conference on Current Trends in Engineering and Management” (ICCTEM-2014)”** organized by Vidyavardhaka College of Engineering, Mysore, Karnataka, held during July 17-19, 2014.
10. Research paper **“A review of electrocoagulation process for wastewater treatment”** by Bharath M and **Krishna B.M.**, published in the souvenir of **International Conference on Environment, Health and policy nexus (ICEHPN2017)”** organized by JSS University, Mysore, Karnataka, held during July 27-28, 2017.
11. Research paper **“Hexavalent chromium removal from tube and tubeless valves manufacturing industrial wastewater by electro-fenton technique”** by Pushpalatha M and **Krishna B.M.**, published in the souvenir of **International Conference on Environment, Health and policy nexus (ICEHPN2017)”** organized by JSS University, Mysore, Karnataka, held during July 27-28, 2017.
12. Research paper **“Treatment of landfill leachate by using electrocoagulation process”** by Nethravathi V S and **Krishna B.M.**, published in the souvenir of **International Conference on Environment, Health and policy nexus (ICEHPN2017)”** organized by JSS University, Mysore, Karnataka, held during July 27-28, 2017.
13. Research paper **“Treatment of Sugar industry wastewater by electrocoagulation process”** by Syeda Shama Saba and **Krishna B.M.**, published in the souvenir of **International Conference on Environment, Health and policy nexus**

(ICEHPN2017)” organized by JSS University, Mysore, Karnataka, held during July 27-28, 2017

14. Research paper “**Treatment of coffee processing effluent by electrochemical coagulation**” by Neshma C M and **Krishna B.M.**, published in the souvenir of **International Conference on Impact of Global Atmospheric Changes on Natural Resources (IGACNR-2018)**” organized by Department of civil engineering, Bangalore University, Bengaluru, Karnataka, held during Nov 19th – 20th, 2018

National Conference

1. Presented a research paper “**Development of Computer Model to Predict the Spatio-Temporal Distribution of Petroleum Oil Slick Downstream of River Crossing**” by **B.M. Krishna**, T.P. Halappa Gowda, K.S. Lokesh and B. Manoj Kumar, et.al., (2005), in the national Conference on ‘Hydraulics and Water Resources (HYDRO-2005)’, organized by SIT, Tumkur, on 8-9 December, 2005.
2. Presented a research paper “**Study on electrochemical treatment of distillery biodigester effluent**” by **B.M.Krishna**, K.S.Lokesh, M.Shruthi, Usha N. Murthy, B. Manojkumar, in national conference “Knowledge Utsav” held at Jain research foundation, Jain University, Jain College of Engineering, Kanakapura, Bangalore rural district, Karnataka, on 28th, August, 2010.
3. Presented research paper “**Electrochemical treatment of distillery wastewater part I – COD removal and energy consumption**” by **B.M.Krishna**, Usha N. Murthy, B. Manoj kumar, K.S.Lokesh, at national symposium on Environmental Safety and Management held at Vidya vardhaka College of Engineering, Mysore on 7th, March 2009.
4. Presented research paper “**Electrochemical treatment of biodigester effluent (BDE) followed by anaerobic digestion**” by **B.M.Krishna**, Shruthi M., Usha N. Murthy, K.S.Lokesh, published in the proceedings of **national conference on industrial pollution and control technology (IPCT-13) -2013** held at department of chemical engineering, faculty of engineering and technology, Annamalai University, Annamalai Nagar, Tamil nadu, on 14th and 15th March 2013.
5. Presented research paper “**Study on biodigester effluent (BDE) mineralisation by electrochemical treatment**” by Shruthi M, **B.M.Krishna**, K.S.Lokesh, Usha N. Murthy, Vijaya M, at two-day national conference on “Recent trends in chemical research (NCR-2014)”, organized by department of chemistry, S.J. College of Engineering, Mysore, Karnataka, on 3-4th January 2014.
6. Presented research paper “**electrochemical treatment followed by anaerobic digestion of bio- digester effluent (BDE)**” by Vijaya M, **B.M.Krishna**, K.S.Lokesh Shruthi M, Usha N. Murthy, , at two-day national conference on “Recent trends in

chemical research (NCRTCR-2014)”, organized by department of chemistry, S.J. College of Engineering, Mysore, Karnataka, on 3-4th January 2014.

7. Research paper “**CuO nano particles coated on GAC for color removal from textile wastewater**” by **Krishna . B. M**, B. M, Nagabhushana B.M, , Sahana M. Anitha S, Alpheus D., published in the proceedings of **National Conference on Current Trends in Scientific research for Engineering Applications” (NCSEA-2014)**” organized by St. Joseph Engineering College, Mangalore, Karnataka held during july 17-18, 2014.
8. Research paper “**River water quality model for non point sources**” by Najamussahar H Mulla, **Krishna B. M**, Manoj Kumar B., published in the proceedings of **National Conference on water environment & Society (NCWES-2015)**” organized by Centre for Water Resources, Institute of Science & Technology, JNTU, Kukatpally, Hyderabad, Telangana State, India.held during 30th-31st july,2015, pp397-401
9. Research paper “**Application of RS and GIS in water resources management**” by Najamussahar H Mulla, **Krishna B. M**, Manoj Kumar B., published in the souvenir of **35th National Convention of Environmental Engineers & national conference: green technology for clean and green india** organized by Institution of Engineers (India), Karnataka state centre, Bengaluru, held during 17th-18th august ,2019, pp36.
10. Research paper “**Application of automated QUAL2Kw for water quality modeling in the kabini river, mysuru**” by Leela R, Najamussahar H Mulla, **Krishna B. M**, Manoj Kumar B and Shivakumar B P., published in the souvenir of **35th National Convention of Environmental Engineers & national conference: green technology for clean and green india** organized by Institution of Engineers (India) Karnataka state centre, Bengaluru, held during 17th-18th august, 2019, pp45
11. Research paper “**Laboratory scale studies for nutrient transformations estimation of rate constants** ” by Najamussahar H Mulla, **Krishna B. M**, Manoj Kumar B and Nayaz Baig J. M, published in the souvenir of **35th National Convention of Environmental Engineers & national conference: green technology for clean and green india** organized by Institution of Engineers (India) Karnataka state centre, Bengaluru, held during 17th-18th august, 2019, pp47
12. Research paper “**Comparative study between iron and aluminum electrodes in the treatment of landfill leachate by electrocoagulation**” by Bharath M and **Krishna B. M**, published in the souvenir of **35th National Convention of Environmental Engineers & national conference: green technology for clean and green india** organized by Institution of Engineers (India) Karnataka state centre, Bengaluru, held during 17th-18th august, 2019, pp46

ORGANISING COMMITTEE MEMBER/CO-ORDINATOR/ EDITOR /REVIEWER etc.

1. Worked as **NSS officer** in S.J College of Engineering, Mysore for the period 2001-2005
2. Involved and worked as an **Organising Committee Member** in the two-day International Conference on “Water and Health (WAH-2005)”, organized by S.J. College

of Engineering, Mysore and JSS Medical College, Mysore, Karnataka, on 22-23 January 2005.

3. Involved and worked as a **Co-ordinator** for the VTU Central Valuation Work held at S.J. College of Engineering, Mysore, during January-February 2004, June-July 2004, January-February 2005 and June-July 2005.
4. **Member BOE & BOS** for Environmental Engineering (UG & PG) of S.J College of Engineering, Mysore, since 2010-2011.
5. Involved and worked as **TEQIP Co-ordinator** for TEQIP Phase II instrument purchase committee for the worth of rupees 12 crores for S.J.College of Engineering, Mysore, during 2013-2014.
6. Involved as an **Committee Member** in the two-day national conference “Recent trends in chemical research (NCRTCR-2014)”, organized by department of chemistry, S.J. College of Engineering, Mysore, Karnataka, on 3-4th January 2014.
7. **Member** of editorial board of “**Journal of Water Pollution and Purification Research**”(JoWPPR) (2014)
8. **Reviewer** for the Journal “International Research Journal of Engineering Science, Technology and Innovation (2014 onward)
9. Involved and worked as **Expert member** to set the **Question paper** for M.Tech., **PGCET-2013 and PGCET-2014** as invited by **Karnataka Examinations Authority, Bangalore**
10. Working as a **Programme Officer** For **Youth Red Cross Wing**, S.J College of Engineering, Mysore, since 2013 to till date
11. Involved and worked as an **Organising Committee Member** in the one day national seminar on “**Envirobmental Sustainable Development**” (In Fond Memory of Prof. T.P. Halappa Gowda) organized by Department of Environmental Engineering, S.J. College of Engineering, Mysore, on 27, September, 2014.
12. **Reviewer** for the Journal “Pakistan journal of scientific and industrial research (PJSIR) (2015 september, onward)
13. Lead and accompanied M.Tech students of both Env.Engg and HS&WE for Industrial visit of MRPL BASF Mangalore during march, 2015
14. Lead and accompanied M.Tech students of both Env.Engg and HS&WE for Industrial visit of **Toyota kirloskarAuto parts (TKAP)**, Bidadi Industrial area, bangalore during December 17, 2016
15. Lead and accompanied 5th semester B.E students of Env.Engg for field visit of **BWSSB water treatment plant, Thorekadanahalli**, Mandya district,during October 27, 2017

16. Chair the two technical session on **International Conference on Impact of Global Atmospheric Changes on Natural Resources (IGACNR-2018)**” organized by Department of civil engineering, Bangalore University, Bengaluru, Karnataka, held during Nov 19th – 20th , 2018
17. Organized two day waorkshop on Integrated Solid Waste Management(ISWM) on 6th and 7th September 2019, TEQIP-III sponsored.
18. Organized one day workshop on “Recent advances in Environmental Engineering on 4.12.2019
19. **WEBINAR** conducted on **5th August, 2020, 11.00 AM -12.00 NOON**
SPEAKER: Dr. B.S. Anupama, Scientist C, CPCB, BENGALURU
TOPIC: WATER QUALITY MONITORING PRESERVATION AND ANALYTICAL TECHNIQUES
20. Dr.B M Krishna Associate professor is accompanied 7th Semester students for industrial trip to Mangalore from 30.11.2021 to 4.12.2021 and visited the industries such as MRPL, MCF, KIOCL, BASF, UPCL

ENCLOSURE - I
Research Projects Guided
Undergraduate level B.E. (Environmental Engineering)

2000

1. Noise hot spots due to vehicular traffic in mysore city

2001

2. Experimental studies on treatment of synthetic and industrial organic waste using electrochemical rechnoque

2002

3. Ground water quality assessment in the vicinity of combined open drain
4. Dual performance study of landfill liner in attenuation of pollutants from leachate and modeling studies on contaminant movement

2003

5. Trophic status classification of Kukkarahalli Lake
6. Water quality assessment in mixing zone of river- A case study
7. Noise monitoring and comparison study in commercial hub of Mysore city

2004

8. Color removal from textile industry effluent using orange peel and saw dust as adsorbents
7. Development of Analytical model for accidental spills in rivers

2005

9. Performance study of a sequential UASB reactor for treatment of distillery spent wash (KSCST sponsored project)
10. Development of Analytical model for finite time discharge of pollutants in rivers

2006

11. Defluoridation of drinking water using moringa olifera
12. Comparative study of chromium (IV) adsorption using activated pomegranate peel and rice husk

2011

13. Treatment of rice mill effluent by biological and electrochemical treatment
14. Color removal from textile industry effluent using rice husk as adsorbent

2012

15. Comparative study of copper removal from industrial effluent using impregnated banana peel and lemon peel as adsorbents
16. Assessment of groundwater quality in and around Hebbal industrial area, Mysore

2013

17. Computer aided design of water distribution system and sewer system for vijayanagara layout of Mysore city

2014

18. Nano-adsorbents for color removal from textile wastewater

2015

19. Assessment of air quality near traffic intersection in mysore city using Air Quality Index

2017

20. Removal of color and COD from landfill leachate by electro fenton process
21. Parameter based population equivalent (PEQ) for two wards in mysuru city

2018

22. Removal of fluoride from groundwater using different forms of chitosan

2019

23. Impact of changing land use on physico-chemical parameters of groundwater: A case study in Mysore city local planning area, using GIS

2020

24

2021

25. Simulation of Electrocoagulation Reactor

2022

24. Batch electrochemical coagulation treatment of Hotel wastewater

Postgraduate level M.Tech. (Env. Engg.) Theses

2000

01. Nickel Removal Studies from Simulated Industrial Effluents using Soluble Starch Xanthate under Varied Aqueous Environmental Conditions.

02. Nickel Removal Studies through Adsorption on Saw Dust under Varied Aqueous Environmental Conditions.

03. Rain Water Harvesting from Roof Catchment for an Island at Lakshadweep

2003

04. Performance evaluation of wastewater treatment plant- a case study at Mysore

2007

05. Studies on the mechanism of degradability of nonbiodegradable chemical constituents in distillery wastewater by electrocoagulation technique

2010

06. Comparative study of electrochemical treatment of distillery wastewater with and without Fenton

2011

07. Treatment of fluoride bearing semiconductor industrial wastewater by electrocoagulation Technique

08. Electrochemical treatment followed by anaerobic digestion of bioreactor effluent

09. Arsenic removal from synthetic wastewater by using electrocoagulation method

2012

10. Utilization of pulp and paper mill wastewater for microbial production
11. Biogas generation from the combination of food waste and water hyacinth
12. Treatment of Automobile service station wastewater by electrocoagulation technique

2013

13. Optimization of biofuels for transport application in india – evaluation of ethanol diesel blend as a fuel substitute
14. Chromium removal from metal plating wastewater by electrocoagulation technique

2014

15. Copper oxide nano adsorbent for color removal from textile waste stream
16. Design of water distribution network for Ravindranath tagore nagar layout of mysore city
17. Synthesis, characterization and application of nano adsorbent for removal of fluoride from the ground water

2015

18. Monitoring and prediction of air quality using CALINE4 model for a commercial area in mysuru
19. Water quality prediction for non point sources at selected stretches of river kabini in mysuru district
20. Design of sewer network for District 2B of Vijaypur city using SewerGEMS V8i and Sewer version 3.0

2017

21. Hexavalent chromium removal from tube and tubeless valves manufacturing industrial wastewater by electro-fenton technique
22. Treatment of sugar industry wastewater using electrocoagulation process
23. Treatment of landfill leachate by using electrocoagulation process

2018

24. Treatment of coffee processing effluent by electrochemical coagulation
25. Treatment of dairy wastewater by electrochemical technique
26. Treatment of healthcare wastewater by membrane bioreactor (MBR) and electrocoagulation (EC) techniques

2019

27. prediction of nutrient concentration at selected stretches of river kabini in sudduru, mysuru district

28. Comparison of vermicompost quality produced from organic wastes: influence on soil nutrients and plant growth

2020

29. Analysis of Landslide Impacted area in Madikeri taluk of Kodagu, Karnataka, India using Geospatial Technology

30. Assessment of green buildings- a comparative study between leed- india and griha rating system

2021

30 Characterization of selected industrial sludges for logical disposal

31 Treatment of distillery wastewater using electro-chemical coagulation and kinetic analysis

32 Treatment of hospital wastewater using electrochemical coagulation followed by ASP

2022

33 Treatment of ice cream factory wastewater by electrochemical coagulation

34. Degradation of dye from textile waste water by silver nanoparticles using photocatalysis

(Dr. B.M.KRISHNA)