

Research Publications (Last 10 Years)

PEER REVIEWED JOURNALS

A) *International Journals*

1. Shilpa B.S. and **Lokesh K.S.**, (2015), "Fuel Emissions' Correlation Assessment of Indoor Pollutants from Different Households", International Journal of Advanced Research in Engineering and Technology, ISSN0976 - 6480, Vol. 6, Issue 5, pp 24 -32
2. Nadiya Saba and **Lokesh K.S.**, (2015), "Water Economics for Present Water Supply System at Mandya City", International Journal of Engineering Research and Technology, ISSN2278 – 0181, Vol 4, Issue 3
3. Nadiya Saba and **Lokesh K.S.**, (2015), "The Economic Aspects of Water at Mandya City", International Journal of Innovative Research in Science, Engineering and Technology, Vol4, Issue 10
4. Prajna Nayak, Sayed Kulsum, Sadhana N, Nethravathi V.S., Vedavalli V, & **Lokesh K.S.**, (2015), "Treatment of Open Dump Landfill Leachate Using Constructed Wetland", International Journal of Environmental Engineering and Management, ISSN2331 1319, Vol 6, No.1, pp 29 -40
5. Shilpa B.S., and **Lokesh K.S.**, (2014), "Exposure Assessment and Morphological Study of Respirable Suspended Particulate Matter (RSPM) Emitted from Household Fuels", International Journal of Science, Engineering and Technology, Vol 2, Issue 8
6. Pavithra and **Lokesh K.S.**, (2014), "Selection of Wastewater Treatment Process Based on Analytical Hierarchy Process", International Journal of Civil Engineering and Technology, (iSSN 0976 – 6308), Vol. 5, Issue 9, September, pp 27-33.
7. Shruthi M., **Lokesh K.S.**, and Krishna B.M., (2014), "Electrochemical Treatment Technology in Biodigester Effluent Treatment (BDE)", International Journal of Civil Engineering and Technology, (iSSN 0976 – 6308), Vol. 5, Issue 9, September, pp 85 - 89.
8. Sudevi Basu and **Lokesh K.S.**, (2014), "Critical Analysis of Existing Economic Tools Available for Assessing River Water Quality", International Journal of Water Resources and Environmental Engineering.
9. Chandrashekar B., **Lokesh K.S.** and Istalingamurthy D., (2014), "The Study on Humanure as an Alternative to Commercial Fertilizer and its Decay Rate with Various Additives", International Journal of Science and Research Volume 3 Issue 10, October 2014

10. Chandrashekhar B., Nagalaxmi Reddy, **Lokesh K.S.** and Istalingamurthy D., (2014), "Comparative Studies on the Soil Health Due to Application of Different Manure Combinations", International Journal of Science and Research Volume 3 Issue 10, October 2014
11. Udayashankara T.H., & **Lokesh K.S.**, (2014), "Bioremediation of Heavy Metals using Mixed Bacterial Culture from Contaminated Soil of Abandoned Kolar Gold IMine Residue", Internatioanl Journal of Engineering Research & Technology, Volume 3, Issue 08, August.
12. Sudevi Basu and **Lokesh K.S.**, (2014), "Application of Multiple Linear Regression and Manova to Evaluate Health Impacts due to Changing River Water Quality", Applied Mathematics, Special Issue on Regression Model, Vol. 5. No. 5, March 2014, (ISSN 2152-7385)
(Received on 20.11.2013, Revised on 20.12.2013, Accepted on 7.01.2014)
13. G. Nagaraj, A. Sukumar and **Lokesh K.S.**, (2014), "Finger Nails are the Best Indicator of Biomonitoring", International Journal of Innovation and Applied Studies", Vol.5, No.,2 , February, PP 94-101 (ISSN 2028-9324)
14. Shruthi M, Krishna B.M., **Lokesh K.S.** and Usha N Murthy, (2013), "Electrochemical Treatment of Biodigester Effluent (BDE) Followed by Anaerobic Digestion", International Journal of ChemTech Research, Vol. 5, No.3, pp 1376 – 1378.
15. Shilpa B.S. and **Lokesh K.S.**, (2012), "Exposure Models for Indoor Air Pollution and Health Impact – An Overview", International Journal of Emerging Technology and Advanced Engineering, Vol. 2, Issue 12, December, pp 467-474.
16. Sudevi Basu and **Lokesh K.S.**, (2012), "Cauvery River water quality evaluation using Principal Component Analysis", International Journal of Engineering and Science, October, Vol 1, Issue 4, pp 06-12.
17. Sudevi Basu and **Lokesh K.S.**, (2012), "Assessment of Cauvery River Water Quality at Srirangapatna in Karnataka using Factor Analysis", International Journal of Emerging Trends in Engineering and Development, Oxford University, UK, Issue 2, Vol. 6, pp 371-382.
18. Sudevi Basu and **Lokesh K.S.**, (2012), "Trend of Temporal Variation of Cauvery River Water Quality at K.R. Nagar in Karnataka", International Journal of Engineering Science and Technology, Vol. 4, No. 8, pp 3693-3699.
19. Nagaraj, G., Sukumar A and **Lokesh K.S.** (2011), "Trace Elements Levels in The Food Samples and Exposure From Food of Mysore Subjects", Journal of Ecotoxicology, Environment and Monitoring, Vol. 21 (3),PP 231 – 236.

20. Nagaraj, G., Sukumar A and **Lokesh K.S.** (2011), "Effect of Alcoholism and Drinking Water on Status of Urinary Elements in Mysore People", Journal of Ecotoxicology, Environment and Monitoring, Vol. 21 (4), PP 301 – 313.
21. Nagaraj, G., Sukumar A and **Lokesh K.S.** (2010), "Influence of Environment and Life Style on Trace Elements in the Finger Nails of the People in and Around Mysore, India", Journal of Ecotoxicology, Environment and Monitoring, ISSN 0971 – 0965, 20, (1), pp 63 – 75.
22. Krishna B.M., Usha N Murthy., Manoj Kumar B and **Lokesh K.S.**, (2010), "Study of the Electrochemical Process for Distillery Wastewater Treatment", Journal of Environmental Research and Development, Vol. 5, No.1, July –September, pp134 – 140.
23. Krishna B.M., Usha N Murthy, **Lokesh K.S.**, (2010), "Electrochemical Pretreatment of Distillery Wastewater using Aluminum Electrode" Journal of Applied Electrochemistry", Springer Verlag, Vol .40(3), pp 663-673.
24. Dayananda, H.S., **Lokesh K.S.**, and K. Byrappa, (2009), "Chemical Fixation of Electroplating Sludge and Micro Structural Analysis of Stabilised Matrix using Fly ash and Cement", Journal of Materials Research Innovations, VOL 13, NO 1, pp 54-63.
25. Krishna B.M., Usha N Murthy., Manoj Kumar B and **Lokesh K.S.**,(2009), "Improvement of BOD₅/COD ratio of pre-treated Distillery Wastewater by Electrochemical Treatment Method", Journal of Environmental Research and Development", Vol .4(1), pp 90-100.

B) National Journals

1. Shailendra K.s., Aravinda H.B., & **Lokesh K.S.** (2015), "Assessment of Community Participation in Rural Water Supply and Sanitation", The Indian Journal of Technical Education, vol.38,No.2, April –June 2015, pp 8-13, ISSN 0971-3034
2. Shailendra J.K.S., Aravinda H.B., & **Lokesh K.S.** (2012), "Quality of Life Index (QoLI) Development for Rural Areas Considering the Impact of Water Supply and Sanitation", Journal of Indian Water Works Association, Jan-March, pp 27-29.
3. Krishna B.M., Usha N Murthy., Manoj Kumar B and **Lokesh K.S.**, (2010), "Investigation of Electrochemical Treatment for Distillery Wastewater", Journal of Environmental Science and Engineering, NEERI, October
4. Dayananda H.S., and **Lokesh K.S.**, (2008), "Feasibility Study on Stabilization of Electroplating Effluent in Construction Materials", Journal of Indian Association of Environmental Management, Vol. 35, No.2, NEERI, Nagpur, pp. 107-111.

5. **Lokesh K.S.**, Dayananda H.S., and Halappa Gowda T.P., (2007), "Influence of Rotational Speed, Paddle Geometry and Microscale Factor on Coagulation and Flocculation Process", Journal of Indian Water Works Association (IWWA) July – September 2007, pp. 173 to 182.
6. Ravishankar, D.N., Narasimhamurthy N., and Lokesh K.S., (2007), "Sustainable Domestic Wastewater Treatment using combination of UASB and Tower Trickling Filter – A Pilot study done at Hebbal Sewage Treatment Plant of Bangalore Water Supply and Sewerage Board, Bangalore", Journal of Indian Water Works Association, Annual Convention, February, 2007., pp. 287 - 295.
7. **Lokesh K.S.**, (2006), "Bioremediation of Contaminated Soils and Aquifers", presented in the proceedings of State Level Technical Projects Exhibition 'DO IT YOURSELF 2006', held at S.J. College of Engineering, Mysore, 23-24 March, 2006, pp. 55-58.
8. Deshpande Abhijit, **Lokesh K.S.**, Bejankiwar R.S. and Gowda T.P.H., (2005), "Electro Chemical Oxidation of Pharmaceutical Effluent using Cast iron Electrode", Journal of Environmental Science and Engineering, NEERI, Nagpur, India.
9. Udayashankara T.H., Manjunath N.T., **Lokesh K.S.**, and Girijamma A.R., (2005), "Bioremediation Technique for the Removal of Polyaromatic Hydrocarbons from Contaminated Soil Using Slurry Phase Treatment", Journal of Institution of Public Health Engineers, India, Vol. 2005, July-September, No.3., pp. 5-8.
10. Dayananda H.S., and **Lokesh K.S.**, (2004), "Stabilization/Solidification of Heavy metal bearing waste products in Construction materials – A Review," Journal of Indian Association for Environmental Management, Vol. 31, No.3, pp. 235-244.

Papers published in conferences / seminars

A) International Conferences / Workshops / Seminars

1. Shilpa B.S. and **Lokesh K.S.**, (2016), "Morphological Analysis of Respirable Suspended Particulate Matter (RSPM) Emitted from Different Household Fuels", International Conference on Air Quality Management (IICAQM), IIT Madras, Chennai, Feb. 15-16.
2. Yashika T.A., Suman E., Girish S., Amogh S Kavalagi, Krishna B.M., & **Lokesh K.S.**, (2012), "Copper Removal from Industrial Effluent using Activated Banana Peel as Adsorbent", International Conference on Current Trends in Engineering and Management (ICCTEM), Vidyavardhaka College of Engineering, Mysore, India.

3. Prakash Paul, Dattaraj P.M., Swathi V.C., Arshia Shehnaz, Krishna B.M., & **Lokesh. K.S.**, (2012), "Assessment of Groundwater Quality in and around Hebbal Industrial Area, Mysore", International Conference on Current Trends in Engineering and Management (ICCTEM), Vidyavardhaka College of Engineering, Mysore, India.
4. Lakshmi S., Krishna B.M., & **Lokesh. K.S.**, (2012), "Treatment of Automobile Service Station Wastewater by Electro coagulation using Iron Electrodes", International Conference on Current Trends in Engineering and Management (ICCTEM), Vidyavardhaka College of Engineering, Mysore, India.
5. Shilpa B.S. and **Lokesh K.S.**, (2011), "Assessment and Modeling of Indoor Air Pollutants for Health Impact – A Review", Proceedings of International Conference on Advances in Materials and Techniques for Infrastructure Development (AMTID), NIT, Calicut, 28-30 Sept.
6. Shruthi M., **Lokesh K.S.**, and Krishna B.M., (2010), "Treatment of Biodigester Effluent by Electrochemical Technique", International Conference, College of Technology, Erode, Tamil Nadu.
7. Krishna B.M., Usha N Murthy, Manoj Kumar B. and **Lokesh K.S.**, (2010), "Pretreatment of Distillery Wastewater by Electrochemical Technique", Fifth International Conference on Environmental Science and Technology – 2010, The American Academy of Sciences, Houston, USA, July 12 – 16.
8. Dayananda H.S., and **Lokesh K.S.**, (2010), "Encapsulation of Electroplating Sludge – Its Mechanical Strength, Leachate Studies and Microstructural Analysis", 5th International Conference on Environment, Organised by AASCI, USA, July 25-29, Houston, Texas, USA (Accepted for Oral presentation).
9. Krishna B.M., Usha N Murthy and **Lokesh, K.S.**, (2010), "Pretreatment of Molasses based Alcohol Distillery Wastewater by Electrochemical Technique", 5th International Conference on Environment, Organised by AASCI, USA, July 25-29, Houston, Texas, USA (Accepted for Oral Presentation)
10. Hemalatha H.N., and **Lokesh K.S.**, (2007), "Economic Valuation of Environmental Impact of Municipal Solid Waste Management", paper accepted for poster presentation in the international conference on "Sustainable Solid Waste Management", Centre for Environmental Studies, Anna University, Chennai, to be held during 5-7 September.
11. Istalingamurthy D., **Lokesh K.S.**, and Halappa Gowda T.P., (2007), "Study on Use of Urine from Eco-Toilet in Agricultural Farming and its Co-Composting with Solid Waste", paper accepted for oral presentation in the international conference on "Sustainable Sanitation: Eco-cities and Villages", to be held at Dongsheng Inner Mangolia, China, 26-31 August.

12. Udayashankara T.H., Manjunath N.T., **Lokesh K.S.**, and Naveen J.M., (2007), "Application of Bio-Slurry Phase Reactor for Removal of PAHs from Soil Contaminated with Transformer Oil" paper accepted for oral presentation in the 3rd International Conference on Environmental Science and Technology, organized by American Academy of Science, to be held Wyndham Greenspoint Hotel, Houston, Texas, USA, 6-9 August.
13. Ravishankar D.N., and **Lokesh K.S.**, (2007), "A Sustainable Wastewater Treatment Using Unique Combination of UASB and Bio-Tower" paper accepted for oral presentation in the 3rd International Conference on Environmental Science and Technology, organized by American Academy of Science, to be held Wyndham Greenspoint Hotel, Houston, Texas, USA, 6-9 August.
14. Reshma Kausar F., Halappa Gowda T.P., and **Lokesh K.S.**, (2007), "Electrochemical Process for Non-Biodegradable Waste Treatment Followed by Anaerobic Digestion", international workshop on "Anaerobic Digestion in Mountain Area (and Isolated Rural Zones)", held at University of Savoie, Chambéry, France, 5-7 June.
15. Ravishankar D.N., and **Lokesh K.S.**, (2007), "Energy Efficient and Cost Effective Vertical Hybrid Reactor System for Domestic Wastewater Treatment – A Pilot Study", paper presented in the International Conference on 'Cleaner Technologies and Environmental Management', to be held at Pondicherry Engineering College, Pondicherry, 4-6 January.
16. Dayananda H.S., and **Lokesh K.S.**, (2007), "Microstructural Analysis of Stabilized Matrix of Electroplating Sludge Using Cementitious Materials", paper presented in the International Conference on 'Cleaner Technologies and Environmental Management', to be held at Pondicherry Engineering College, Pondicherry, 4-6 January.
17. Ravishankar D.N., and **Lokesh K.S.**, (2006), "Innovative and Sustainable Municipal Wastewater Management with Energy Recovery for Sustainable Development to Meet the Desired Effluent Standards", paper presented in the International Conference on ENVIRONMENT 2006 (ICENV 2006), held at Grand Plaza Parkroyal, Batu Ferringhi, Penang, Malaysia, 13-15 November.
18. Naveen J.M., Udayashankara T.H., **Lokesh K.S.**, and Manjunath N.T., (2006), "Application of Bio-slurry Phase Reactor for Removal of PAHs from Soil Contaminated with Transformer Oil", paper accepted for presentation in the 2nd International Conference on Advances in Mineral Resources Management and Environmental Geotechnology, 26-27 September, Crete.
19. Shiva Prakash B., Manoj Kumar B., Manoharan V., and **Lokesh K.S.**, (2005), "Study of Environmental and Economical Aspects in a Refinery Towards Sustainable Development", paper presented in the International Conference on Environmental

Management (ICEM 2005), at Jawaharlal Nehru Technological University, Hyderabad, 28-30 October.

20. **Lokesh K.S.**, Halappa Gowda T.P., Suresh G., and Girijamma A.R., (2005), "Analysis of Seasonal Variations in Water Quality Data in Cauvery and Kabini Rivers", paper presented under the theme 'Water Quality Monitoring and Surveillance' in the International Conference on Water & Health (WAH-2005), at S.J. College of Engineering, Mysore, 22-23 January.
21. Udayashankara T.H., Manjunath N.T., **Lokesh K.S.**, and Girijamma A.R., (2005), "Bioremediation Technique for the Removal of Polyaromatic Hydrocarbons from Contaminated Soil Using Slurry Phase Treatment", paper presented under the theme 'Wastewater Collection, Treatment and Management' in the International Conference on Water & Health (WAH-2005), at S.J. College of Engineering, Mysore, 22-23 January.
22. **Lokesh, K.S.**, Anbazhagan and Manoj Kumar B., (2004), "2 D Models for Prediction of Dissolved Oxygen in Mixing Zones of River - A Case Study", accepted for oral presentation in the International Conference on Hydraulic Engineering: Research and Practice (ICON-HERP-2004), to be held at Department of Civil Engineering, IIT, Roorkee, Roorkee, 26-28, October.

B) National Conferences / Workshops / Seminars

1. Ravi Shankar, **Lokesh K.S.**, Narasimha Murthy N., (2007), "Sustainable Domestic Wastewater Treatment Using Combination of USAB and Tower Trickling Filter A Pilot Study - Plant of Bangalore Water Supply and Sewerage Board, Bangalore, India", paper presented in the proceedings of Indian Water Works' Association, 39th Annual Convention, Mumbai, 1-3 February.
2. Shailendra J.K., **Lokesh K.S.**, and Aravinda H.B., (2006), "Assessment of Role of Water Supply and Sanitation Systems in Quality of Life in Rural Areas", Proceedings of National Workshop on 'PURA', organized by The Institution of Engineers (India), Mysore Local Centre, Mysore, 11-12 March.
3. Istalingamurthy D., **Lokesh K.S.**, Manoj Kumar K.S., and Nagalakshmi Reddy N.A., (2006), "Eco-sanitation for Human Waste Management", Proceedings of National Workshop on 'PURA', organized by The Institution of Engineers (India), Mysore Local Centre, Mysore, 11-12 March.
4. Udayashankara T.H., **Lokesh K.S.**, Shailendra J.K., Kiran M.P., and Hemalatha D.S., (2006), "Service KIOSK – An Approach for PURA", Proceedings of National Workshop on 'PURA', organized by The Institution of Engineers (India), Mysore Local Centre, Mysore, 11-12 March.

5. Hemalatha H.N., and **Lokesh K.S.**, (2005), "Economic Valuation of Environmental Impact of Municipal Solid Waste Management", paper presented in the National Conference on Synergic Solutions for Sustainable Development "Prescription for Prosperity", organised by Environmental Engineering Section, Department of Civil Engineering, National Institute of Technology, Karnataka, Surathkal, India, December 28-30.
6. Reshma Kausar F., **Lokesh K.S.**, and Halappa Gowda T.P., (2005), "Electrochemical Process for Non-Biodegradable Waste Treatment in Combination with Biological Process", National Conference on Synergic Solutions for Sustainable Development "Prescription for Prosperity", organised by Environmental Engineering Section, Department of Civil Engineering, National Institute of Technology, Karnataka, Surathkal, India, December 28-30.
7. Halappa Gowda T.P., **Lokesh K.S.**, Manoj Kumar B., Shivanagendra S., Krishna B.M. and Harini Kumari K.V., (2005), "Development of Computer Model to Predict the Spatio-temporal Distribution of Petroleum Oil Slick Downstream of River Crossings", National Conference - "HYDRO-2005", at Siddaganga Institute of Technology, Tumkur, 8-9, December.

Articles published in newsletter / bulletin

- Few articles on Ecotoilet in Times of India News Paper, Prajavani Kannada News Paper and Tharanga, Weekly Popular Kannada Magazine
- Live Interview by Doordarshan, Bangalore in their BELAGU Karyakrama from 7:00 am to 7:45 am during November 2005 beamed across 135 countries
- Interview by AIR, Mysore during January 2010 on Ecological Sanitation and Environmental Engineering in their KRISHI RANGA KARYAKRAMA, 6:50 to 7:40 pm
- A Technical Talk on "Indoor Air Pollution" on AIR, Mysore during 2009 in their VIGNANA JAGAT programme, 6:30 to 7:10 pm

Books / Chapters

Correlation Assessment of Indoor Air Pollutants Emitted by Household Fuels and Its Health Impacts, Springer verlog Publishers

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