

FACULTY PROFILE



NAME Dr. SHILPA B S

**Designation : Associate Professor
Department of Civil Engineering**

Date of Joining	31-08-2002
Length of Professional Experience	18 years

Contact Details

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Academic Background

<ul style="list-style-type: none">• Ph. D. in Civil Engineering Sciences from VTU, Belagavi, Karnataka
<ul style="list-style-type: none">• M.Tech in Environmental Engineering from P. E. S College of Engineering, Mandya, Karnataka
<ul style="list-style-type: none">• B.E in Environmental Engineering from P. E. S College of Engineering, Mandya, Karnataka

Areas of Interest

<ul style="list-style-type: none">• Indoor air pollution
<ul style="list-style-type: none">• Environmental systems modelling
<ul style="list-style-type: none">• Synthesis of Nanoparticles
<ul style="list-style-type: none">• Environmental biotechnology

Significant Publications

Book Chapter

Shilpa B. S., Lokesh K. S., (2020), "**Correlation Assessment of Indoor Air Pollutants Emitted by Household Fuels and their Health Impacts**", published in **Springer book on "Urban Air Quality Monitoring, Assessment and Human Exposure"**.

International Journals

- Shilpa B S , Darshan M , Kshama N, Manoj S , Sindhu S , Sharmila A, (2020), "**Water Quality Assessment of**

Hebbal Lake Using Canadian Council of Ministers of the Environment (CCME) Model”, International Advanced Research Journal in Science, Engineering and Technology Vol. 7, Issue 9, September 2020 DOI 10.17148/IARJSET.2020.7914, pp 69-76.

- Dayananda H S, Shilpa B S (2020), “**In-vessel Vertical Composter for Stabilization of Market Waste**”, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9, Issue-3, February 2020, pp 486-490
- Shilpa B S, Shruthi G, (2019), “**Effectiveness of Green Synthesized Silver Nanoparticles (Ag-NPs) of Delonix Regia Pods in Water Disinfection**”, International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249 – 8958, Volume-9, Issue-1, October 2019, pp 2543-2547.
- Akshitha K S , Bhumika, Meghana M S , Roshini R , Shilpa B S, “**Green Synthesized Parthenium Silver Nanoparticles (Ag-NPs) as Water Disinfectant**”, International Journal of Emerging Technology & Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 7, Issue 12, December 2017, pp 223-230.
- Shilpa B. S., Lokesh K. S., (2016), “**SEM Characterization of Respirable Suspended Particulate Matter (RSPM) Emitted From Cowdung Cakes and Coal Fuels in Different Households**”, International Journal
- Akshitha K S , Bhumika, Meghana M S , Roshini R , Shilpa B S, “**Green Synthesized Parthenium Silver Nanoparticles (Ag-NPs) as Water Disinfectant**”, International Journal of Emerging Technology & Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 7, Issue 12, December 2017, pp 223-230.
- Shilpa B. S., Lokesh K. S., (2016), “**SEM Characterization of Respirable Suspended Particulate Matter (RSPM) Emitted From Cowdung Cakes and Coal Fuels in Different Households**”, International Journal of Advances in Science Engineering and Technology, ISSN: 2321-9009, Vol-4, Iss-3, Spl. Issue-2 , pp.186-189.
- Shilpa B. S., Deekshitha, “**Arsenic [As(III)] Removal using Almond Shells**”, International Journal of Constructive Research in Civil Engineering (IJCRCE) Volume 2, Issue 3, 2016, pp. 1-8 ISSN 2454-8693 (Online) DOI: <http://dx.doi.org/10.20431/2454-8693.0203003>. pp 16-23.
- Kavyashree B A, Ramya N, Sanjay Urs A M, Chandan K B, Shilpa B S, “**Ammonia gas removal using biofilter**”, International Advanced Research Journal in Science, Engineering and Technology, Vol. 2, Issue 7, ISSN (Online) 2393-8021 ISSN (Print) 2394-1588 , July 2015, pp. 110 – 114.
- Shilpa B. S., Lokesh K. S., “**Fuel’s emissions correlation assessment of indoor pollutants from different households**”, International Journal of Advanced Research in Engineering and Technology, Vol.6, Issue 5, ISSN 0976 - 6480 (Print), ISSN 0976 - 6499 (Online) , May 2015, pp. 55-63.
- Shilpa B. S., Lokesh K. S.” **Exposure Assessment and Morphological Study of Respirable Particulate Matter (RSPM) Emitted from Household Fuels**”, International Journal of Science, Engineering and Technology, Vol.2, Issue 8, ISSN- 2348-4098, Nov-Dec 2014, pp122-125.
- Chinmai K., Hamsa B. C., Kerwyn Donald D’souza, Mahesh Chandra B. R. and Shilpa B. S., “**Feasibility Studies on Spent Coffee Grounds Biochar as an Adsorbent for Color Removal**”, International Journal of Application or Innovation in Engineering & Management (IJAIEEM) ISSN 2319 - 4847 , Volume 3, Issue 10,pp 9-13, October 2014.
- Shilpa B. S., Lokesh K. S., “**Morphology of Respirable Suspended Particulate Matter (RSPM) Emitted from Household Fuels and their Health Implications**”, International Journal Of Engineering Sciences & Research Technology ISSN: 2277-9655, 3(6), pp 204-208, June2014.
- Shilpa B. S., Lokesh K. S., “**Exposure Assessment and Modeling of Respirable Suspended Particulate Matter (RSPM) Pollution from Different Household Fuels**”, ISSN : 0975-5462 Vol. 6 No.3, pp 57-63, Mar 2014.
- Lavanya G., Shamily B. M, Shyamanth S. Kashyap and Shilpa B. S., “**Air Quality Modeling of Santhepet Street Canyon of Mysore City Using FLUENT**”, International Journal of Science and Engineering Applications , Volume 2 Issue 12, ISSN-2319-7560 (Online), pp 191-196, December 2013.
- Shilpa B. S., Pallavi R., Sindu B. S., Mahima M. R. and Sowmya G. , “**Assessment of Bio-aerosols in Outdoor and Indoor Environment of Schools: A Case Study**” International Journal of Emerging Technology & Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 3, Issue 6,pp 131-137, June 2013.
- Shilpa B. S. and Lokesh K. S., “**Models for Indoor Pollution and Health Impact Assessment – An Overview**”, International Journal of Emerging Technology & Advanced Engineering (ISSN 2250-2459, ISO 9001:2008 Certified Journal), Volume 3, Issue 4, pp 519-525, April 2013.
- Fasiha Tabassum, Kusuma, Suraksha M. N., Mahesh S. and Shilpa B. S., “**Biocapsulation of Chromium using immobilized Aspergillus Niger**”, International Journal of Ecology and Development, Volume 9, No.

2, pp185-193, December 2012.

- Shilpa B S, Akanksha, Kavitha, Girish P, “ **Evaluation of Cactus and Hyacinth beans as Natural Coagulants**”, International Journal of Chemical and Environmental Engineering, Volume 3, No. 3, pp 187-191, June 2012.

Achievements

- Supervised a UG project entitled “**Assessment of Bio aerosol and Ammonia Around Waste Disposal site in Mysuru**” during the **43rd series SPP of KSCST** – 2019-20
- Supervised a UG project entitled “**Colour Removal using Iron Nanoparticles and its Recovery by Magnetic Separation**” during the **42nd series SPP of KSCST** – 2018-19
- Member of Board of Examiners of VTU during 2018-19
- Supervised a UG project entitled “**Stabilization of Market Waste Using In-vessel Composter**” during the **41st series SPP of KSCST** – 2017-18
- First prize in “**Best Paper Award**” category for Indoor Air Quality and Risk Assessment at **IICAQM 2017** held at IIT Delhi, New Delhi on 1-2 June, 2017
- Permanent Member in ISTE
- The Institution of Engineers (IEI)
- Technical Institute of Engineers (TIE)
- Member of Board of Examinations, Department of Environmental Engg., PESCE, Mandya (2014-15).
- Supervised a UG project entitled “ Bioencapturement of Chromium using Aspergillus Niger” and received **Project of the Year Award**, during the 36th series SPP of KSCST in July 2012 held at SDMIT, UJIRE.