

GREEN UPDATES

NEWSLETTER



2023

Articles Published...

- ✓ Maheshwarkar, P., Ralhan, A., Sunder Raman, R., Tibrewal, K., Venkataraman, C., Dhandapani, A., Sadashiva Murthy, B.M., et al. (2022), Understanding the Influence of Meteorology and Emission Sources on PM_{2.5} Mass Concentrations Across India: First Results From the COALESCE Network, Journal of Geophysical Research:Atmospheres, <https://doi.org/10.1029/2021JD035663>
- ✓ B. P. Deepthi, Pushpa Tuppad and K. S. Lokesh, 2022, Impact analysis of landuse/landcover change on hydrologic regime of Upper Cauvery basin. Tianjin Daxue Xuebao (Ziran Kexue yu Gongcheng Jishu Ban)/ Journal of Tianjin University Science and Technology, 55(6): 36-49, ISSN (Online): 0493-2137 DOI: 10.17605/OSF.IO/Y6F82
- ✓ Chaitanya B. S. and Shivakumar B. P., 2022, Identification of groundwater potential zone using remote sensing and GIS techniques for Mandya Taluk. World Journal of Engineering Research and Technology, 8 (1): 188-201. https://www.wjert.org/home/article_abstract/1124
- ✓ Mahesh Shivaswamy, Nisarga K. Gowda & Sahana Mahesh. Identification and removal of microplastics from contaminated semi-urban agricultural soil using electrochemical treatment technology. Chem. Pap. (2022). <https://doi.org/10.1007/s11696-022-02615-0>
- ✓ Mahesh Shivaswamy, Nisarga K. Gowda & Sahana Mahesh. Identification of microplastics (MPs) from urban informal solid waste landfill soil; MP associations with COD and chloride, J. of Water Science and Technology (2022), IWA Publishing, doi: 10.2166/wst.2022.412
- ✓ Srikantha H, Ashwini D Guruswamy, Mahesh S, Gopalakrishna V Gaonkar. Batch electrochemical treatment of raw pulp and paper mill wastewater using electrode combinations. 2022, J. of Electrochemical society, 107 (1), 8077 – 8097.
- ✓ Shivaprasad K. S., Mahesh S. Electrochemical treatment of two health-care wastewaters - A comparative study, 2022, J. Separation Science and Technology, Taylor and Francis, <https://doi.org/10.1080/01496395.2022.2041035>
- ✓ Mahesh S., Shivaprasad K. S. and Sanjana M. Ayurvedic Hospital wastewater degradation using electrochemical treatment, 2022, J. Water Science and Technology, IWA. <https://doi.org/10.2166/wst.2022.079>

Feather in the cap...

Savitha Ulavi won second prize in the best paper competition under technical session II: source Apportionment and Emission Inventory held at International Conference on Air Quality Management (IICAQM - 2022).

Parinitha T Niranjana spoke on the importance of Environmental Engineering branch on JSS radio 91.2 FM on 28.08.2022 at 7.30 am and 4.30 pm

A partner meeting of Australia India Water Centre (AIWC) was held from 21-24 November 2022 (Monday – Thursday) in Delhi. The meeting was attended by Dr. Sadashiva Murthy B M, Prof. & Head and Dr. Pushpa Tuppad, Associate Professor, Dept. of Environmental Engg., SJCE, JSSSTU, Mysuru on Wednesday, 23/11/2022 and Thursday, 24/11/2022 held at ICAR, National Agricultural Science Complex, Pusa, Delhi.

Best Project of the Year' award to the project 'Biodegradation of Plastic using Greater Wax Moth (Galleria Melonella)', funded by KSCST 45th series of Student Project Programme (SPP): 2021-22, by Ms. Shravana S Narasannavar and Dr. Pushpa Tuppad, 2022, during the Seminar and Exhibition held at VTU, Belagavi on 12th and 13th August 2022.

Parinitha T Niranjana delivered a lecture on "E-Waste Management" held on 22nd July 2022 for the Department of Electronics and Communication Engineering, JSS Polytechnic for the Differently Abled, Mysuru.

Parinitha T Niranjana delivered a lecture on "Solid Waste Management in Mysore City" held on 11th July 2022 for the Department of Computer Science and Engineering, JSS Polytechnic for the Differently Abled, Mysuru.

Consultancy...

- 1) Team of Dr. B. Manoj Kumar, Dr. Pushpa Tuppad, Mrs. Sahana M, Mrs. Thanushree M S and Dr. Vishishtta Nagaraj conducted Green Audit in JSS College of Arts, Commerce and Science, Ooty Road, Mysuru.
- 2) Dr. B. Manoj Kumar, Dr. D. Istalingamurthy, Mr. Shivakumar B. P. conducted Environmental Audit for JSS Women's College, Kollegal.
- 3) Dr. B. Manoj Kumar, Mr. Shivaprasad K. S. are a part of Environmental Audit which is being carried out at JSS ATE, Bengaluru.
- 4) Dr. B. Manoj Kumar, Dr. Pushpa Tuppad, Mrs. Savitha Ulavi, conducted Environmental Quality analysis and air modelling, Chenguang Natural Extracts India Pvt. Ltd.
- 5) Dr. B. Manoj Kumar, B.P. Shivakumar and Mrs. Savitha U. Ulavi, have prepared Soil Due-diligence Report on the basis of audit conducted at M/S. Autoliv India Pvt. Ltd, Mysuru, April 2022- Aug 2022
- 6) Dr. Pushpa Tuppad, Mrs. Savitha U. Ulavi, Mrs. Sahana M. have conducted Green Audit for JSS Law College, Mysuru, July 2022.

Programs Organized...

KSTA sponsored Symposium on 'Environmental Engineers - Opportunities, Roles and Responsibilities for a Sustainable Environment' on 16th June 2022.



Interaction program by Mr. Ranjan Bellarpady, Director, Mangala Resource Management Pvt. Ltd., Mangalore followed after a presentation on waste management solutions on 18th June 2022.

As part of World Environmental Day 2022, a campaign with a theme "Only One Earth", starting from Admin block entrance which was followed by sapling plantation near Environmental and Civil Engineering Blocks by Department of Environmental Engineering with Project Reach out and Balaga on 6th June, 2022 from 10.30am-11.00 am.

Hinkal Lake Cleaning Campaign was organized as part of World Environmental Day-2022, jointly organized by Karnataka State Pollution Control Board (KSPCB), Mysuru, Municipal Office, Hootagalli, Mysuru, Department of Environmental Engineering, Sri Jayachamarajendra College of Engineering, JSS S& TU, Mysuru, & Madilu Education and Rural Development Organization, Mysuru on 2nd July, 2022.



As a part of Induction Programme, lecture on 'Importance of Environmental Engineering and Career building opportunities in Env. Engg.' by Mr. Raviteja Hegde, Alumni, Chief Executive Officer, Paryaavaraneer Engineers & Consultants Private Limited on 23rd November, 2022.

Inauguration Ceremony of NIRMAN, Technical Club of Civil, CTM and ENV conducted on 8th April 2022 in IS Seminar Hall, JSS Science and Technology University.

On December 22, 2022 Department of Environmental Engineering in collaboration with Institutions Innovation Council on the occasion of NATIONAL POLLUTION CONTROL DAY hosted an expert lecture by Mr. G R Ganeshan, Regional Environmental Officer, KSPCB, Mysuru; conducted a Poster Competition on the topic 'Judicious use of resources' and Quiz Competition.



SWACHCHTTA CLEANLINESS DRIVE AS A PART OF SWACHCHTTA PAKHWADA

The students of 4th semester B.E., Environmental Engineering volunteered and actively participated in the cleanliness drive by cleaning the laboratory in the department which was conducted on 13th June 2022 from 11.00 am to 12.00 noon. They joined hands together and pledged to keep their environment clean and green. The related photographs are attached as below.



Lecture Series - Diamond jubilee celebration year...

- 1) Lecture on 'Cell Immobilization', by **Dr. M Mahadevaswamy**, Former Head and Professor, Department of Environmental Engineering on 4th July 2022.
- 2) Lecture on 'Career Opportunities and professional profile building', **Mr. Indresh**, Alumni and Senior Engineer – Hydraulic Modelling. Mott MacDonald, Bengaluru, 16th July 2022.
- 3) Lecture on 'Disaster Management', by **Dr. S K Prasad**, Professor and Head, Civil Engineering department, VVCE, Mysuru, on 31st October 2022.
- 4) Lecture on 'Importance of higher studies in education', by **Mr. Madhu Kumar**, Alumni, presently pursuing Ph. D. in IIT, Hyderabad, 18th November 2022.
- 5) Lecture on 'Importance of higher studies in education' by **Mr. Anvith Shankar**, Alumni on 25th November 2022.
- 6) Interaction meeting with **Dr. Dharma Hagare**, Senior Lecturer, Western Sydney University, Australia held on 14th December 2022 on 'Environmental sustainability, collaboration, career and higher education opportunities in Western Sydney University and other Universities in Australia'.
- 7) Lecture on 'Career Building opportunities in BWSSB' by **Mr. Renukumar**, Deputy Director, BWSSB, Bengaluru on December 17th 2022.

Industrial Visit...

Industrial visit by 7th semester students accompanied by **Dr. B M Krishna**, Associate Professor and **Mr. Narasimha**, Instructor from 4th to 10th December 2022 to Mangalore for various industries like: KIOCL limited, Mangalore chemicals and Fertilizers Limited, Mangalore Refinery and Petrochemical Limited.



List of R & D projects...

Name of the Faculty	Project Title	Collaborator	Funding Agency	Amount in lakhs	Duration
Dr. S. Mahesh	Determination of Microplastics in Contaminated Soil and Removal	-	Institution of Engineers (India)	0.29150	2021-2022
Dr. Pushpa Tuppad and Ms. Shravana S Narasannavar	Biodegradation of Plastic using Greater Wax Moth (Galleria Melonella)"	-	KSCST - 45 th series of SPP	0.07	2021 - 2022

Ph. D. Awards...

Sl. No.	Name of the Candidate	Guide Name
1	Dr. Parameshwaramurthy P M	Dr. Sadashiva Murthy B. M.
2	Dr. Sujit Singh	Dr. S. Mahesh
3	Dr. Renukumar K S	Dr. Pushpa Tuppad
4	Dr. Bharath M	Dr. B M Krishna

Student Achievements...

Anjali K and **Dhanyaa A** (8th Semester, B.E., Environmental Engineering) have successfully completed all the recommended requirements of International Australia India virtual program on Land and Water Conservation - student exchange program by AIWC (Australia India Water Center), Western Sydney University.

Editorial...

I wish to convey my sincere thanks to all the faculty members for rendering their sincere service and to achieve new milestones and bench marks. I would like to congratulate the students who have excelled in their academics and extracurricular.

***Dr. Sadashiva Murthy, B. M.
Professor and Head***