


**KSSEM**
K. S. SCHOOL OF ENGINEERING & MANAGEMENT

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15, Mallasandra, Off. Kanakapura Road, Bengaluru-560109, Karnataka, INDIA.

Faculty Name	Dr. SWARNA S	
Designation	ASSISTANT PROFESSOR	
Educational Qualification	M.Sc., Ph.D.	
Experience in Years	Teaching: 15 years	
Areas of Interest	Organic Chemistry, Biodiesel, Nanomaterials	
E-mail	Swarna.s@kssem.edu.in	

Educational Details

Examination/ Degree	College / University	Year of Passing
UG	A.E.S.National College/Bangalore	2003
PG	NMKRV/Bangalore	2005
Ph.D	SaIT/VTU	2022

Publications

Journal Publications:

1. S. Swarna. M.T. Swamy, T.R. Divakara, Krishnamurthy K.N. and S. Shashidhar. Experimental assessment of ternary fuel blends of diesel, hybrid biodiesel and alcohol in naturally aspirated CI engine. International Journal of Environmental Science and Technology. **Springer**. 2021; Published online on 9-08-2021. <https://doi.org/10.1007/s13762-021-03586-7>
2. S. Swarna. M.T. Swamy, T.R. Divakara, Krishnamurthy K.N., S. Shashidhar, and H.V. Srikanth. K₂CO₃ in NH₄OH as an Effective Catalyst Mixture for the transesterification of High Acid Value Mahua Oil. Asian Journal of Chemistry.2021;33(11)2807-2812. <https://doi.org/10.14233/ajchem.2021.23395>
3. Swarna S, M.T. Swamy, Divakara T.R and Mayuri H. S. Methanolysis of castor oil using potassium carbonate in ammonium hydroxide as a catalyst. International Journal of Scientific Research and Review. 2019 ;7 (5):31-238. UGC Journal No.: 64650.

4. Swarna S, Divakara T.R, M.T. Swamy and Shashidhar S. Synthesis of Pongamia oil Biodiesel using Potassium carbonate as a Catalyst in Presence of Liquor Ammonia as a Catalyst Promoter, IJRAR. 2018; 5(4):231-236. www.ijrar.org (E-ISSN 2348-1269, P- ISSN 2349-5138)

Conference Papers:.

1. **Swarna S**, M.T. Swamy, Divakara T.R, Shashidhar S. K_2CO_3 in NH_4OH an effective catalyst mixture for the Transesterification of Non-edible oils, National E-Conference on Advanced Research in Materials Science, (NCARMS-2021), Feb 2021, Kamaraj college Thoothukudi, Tamilnadu. (**Awarded with best oral presentation certificate**).
2. **Swarna S**, M.T. Swamy, Divakara T.R., Mayuri H. S, "Methanolysis Of Castor Oil Using Potassium Carbonate in Ammonium Hydroxide as A Catalyst". International Conference on Latest Advancement and Future trends in Engineering, Science and Management held on 3rd and 4th May 2019 at Sambram Institute of Technology, Bangalore.
3. Poster presentation on 'Synthesis of Biodiesel from Neem oil and Comparison of the Performance of n-Hexane blended Biodiesel with unblended Biodiesel". KSTA National Conference on Impact of Science and Technology on Society and Economy". Held during 8 - 9 of 2017 at Sri Krishnadevaraya University, Ballari.
4. **S. Swarna**, T.R.Divakara, B.P Jyothipriyadarshini and Y.Niroopa."Synthesis, spectral studies and biological activities of citalopram cobalt metal complexes".National Conference on Applied Science and Humanities NCASH-15 held on 5th may 2015 at KSSEM., Bangalore.

Awards

1. **Teacher Of Excellence for 100% results in VTU Examination for Engineering Chemistry in the year 2010-2011.**
2. **Teacher Of Excellence for 100% results in VTU Examination for Engineering Chemistry in the year 2012-2013.**
3. **Awarded with best oral presentation certificate, National E-Conference on Advanced Research in Materials Science, (NCARMS-2021), Feb 2021, Kamaraj college Thoothukudi, Tamilnadu**

Other Accomplishment

Attended FDP's

1. **FDP on "Recent Trends in Engineering materials, Nano Science and Nano Technology "Global Academy of Technology, held from 9th to 13th November 2020.**
 2. **Five days e-FDP on "Recent trends in Material science", from 2 to 11th October 2020 organized by Sathagiri college of Engineering, Bangalore.**
 3. **"Virtual labs-VTU Faculty Development Programme", VTU, 19th-23rd October 2020,**
 4. **One Week FDP on "Advancements in Science and its Applications in Engineering", HITM, 22nd - 26th June 2020.**
 5. **Three days FDP-Workshop on "Recent Advances in Basic Sciences for Engineering Applications", DSAM, 8th-10th Jan 2018**
 6. **Quality Improvement Programme, Short term Course on "Physical Chemistry" IISc, 26-30th Dec- 2016**
 7. **Five Days FDP on Animation and Coreldraw, KSSEM, 11th-15th July 2016**
 8. **Two days FDP on Research Proposal Preparation towards Ph.D., KSSEM, 24th-25th June 2016**
 9. **FDP on "Outcome Based Education & Bloom's Taxonomy", KSSEM, 4th-5th December 2015**
 10. **FDP on "Training the Trainer Workshop on Intellectual Property Right Significance for Academia", KSSEM, 31st July 2015**
 11. **FDP on "Recent Advances in Nano Devices & Sensor Technology", KSSEM, 8th to 11th July 2013**
- Learning and Teaching Methodologies, KSSEM, 20-22 July 2011**

Professional Membership

1. **IWSA Life Member**
2. **Asia Society of Researchers**
(ASR) Membership No.
R219093214

Contact Details

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