


1. General Information

Name	Dr. Chintha Sailu	
Address	House: H. No. 17-76/C8/3, East Kalyanpuri, Uppal, Hyderabad 500 039 Office: University College of Technology, Osmania University Hyderabad 500 007 Phones: 91 40 27206358 (R) 91 9849636589 (Mobile) Email: csailu@yahoo.com	
Date of Birth	1 st June 1966	

1.1) Academic Qualifications

Degree	University	Class/Grade	Year of Graduation
B. Tech. Chemical Engineering	Osmania University	I	1987
M. Tech. Chemical Engineering	Osmania University	I	1990
Ph. D. Chemical Engineering	Osmania University	--	2006

1.2) Work experience Total (27 years)

Teaching 19 Years			
TSPSC Member	October 2015- Till date	Hyderabad, Telangana	
Professor	August 2006 - Till Date	UCT Osmania University, Hyderabad,	
Associate Professor	September 1997- August 2006	UCT Osmania University, Hyderabad,	
Lecturer	June 1993 – September 1997	R E C, (Present NIT) Warangal	
Lecturer	November 1992- June 1993	JNTU College of Engineering, Anantapur,	
Industry 04 Years			
Production Engineer	June 1988 – October 1992	Production Engineer, Paradeep Phosphates Ltd. Paradeep, Cuttak (Dist.) Orissa	

Area of Specialization	Solid Catalysts for Cleaner Processes and Green Fuels
Areas of Research Interests	Reactor Modeling & Design, Chemical Reaction Engineering, Kinetics of Heterogeneous Catalytic Reactions

1.3) Awards and Honors:

- IChE NRC Kuloor Memorial Award for the best research work Published in ICE Journal, 2007** for “Selective Hydrogenation of Phenol to Cyclohexanone Using Palladium on Silica-gel as Catalyst “, Indian Chemical Engineer, Vol. 48, No. 4 October-December 2006, pp. 252-261
- Institution Gold Medal for best Paper Published in Journal of IE (I) in 2006** for “Studies on vapour phase conversion of Ethanol to Acetone using Iron oxide Catalyst”. Institute of Engineers (India) Journal-CH Vol. 87, September 2006. pp 30-34.
- 2nd Prize awarded for the poster presentation in CHEMCON-2004** for “kinetic studies in phenol hydrogenation to Cyclohexanone” December 27-30, 2004, Mumbai.

1.4) Research Projects

- 1) Research project funded by College Research Grants at REC Warangal, on “Studies on Enzymatic Hydrolysis of Cellulose(1996-97)”
- 2) UGC Major Research Project on “One-step selective Hydrogenation of Phenol to Cyclohexanone” (2001-04)
- 3) OU-DST-PURSE Programme Project “Catalyst development for removal of endocrine disrupting compounds (EDCs) by Photocatalytic oxidation for waste water reuse” (2011-14)
- 4) Process Intensification by Spherical Crystallization, DST, 2016-19

PhD Supervision

PhD Awarded

- 1) T Kiran, Development of Solid Dosage forms containing Amorphous Nano suspensions of poorly soluble drugs for enhancement of Oral Bioavailability
- 2) Sri Hari Kumar Annamareddy, Roll No: 100809813001 Catalytic transformation of Ethane, 2013
- 3) K.N. Prasanna Rani, Roll No: 100809813006 Catalytic and Non-Catalytic Esterification Reaction Kinetics for Lipid Based esters 2018
- 4) Pavan Kumar Veldandi, Roll No: 900810815003, Modelling and simulation of variable speed compression in natural gas liquefaction process 2019
- 5) Mahalakshmi.K, Self-emulsifying drug delivery system 2019

PhD Submitted

- 1) Rajam B, Roll No:900810815005, Catalyst preparation from the solid waste and kinetic studies of selected reaction
- 2) Sri Durga P, Roll No: 900810815009 Studies on development of catalyst for Biodiesel production Studies on development of catalyst for Biodiesel production
- 3) Parameshwarlu B, Roll No: 100809813003 Studies on effective removal of endocrine disrupting compounds in urban wastewater by photocatalysis

PhD Ongoing

- 1) A. Vijaya laxmi, Roll No: 900817631007 Influence of Process Parameters on the Agglomerates Prepared by Spherical Crystallization
- 2) A. Abhilash 900817631012 Studies on Microbial Fuel Cells Applications for Waste Water Treatment and Energy Extraction
- 3) T. Ajit Kumar, 900817631018 Development of Advanced Oxidation Process for Wastewater Treatment
- 4) D. Srujana (Part-Time) Experimental Studies on Condensation of nanofluids on extended surfaces.
- 5) N. Rama (Full-Time) Screening Membranes and Solvents for the removal of alkali metal ions from aqueous-organic system using molecular simulation

- 6) P. Veda Vahini, Preparation of Chitosan Nanoparticles for Therapeutic Drug Delivery Systems
- 7) Naresh N S, Formulation invitro and invivo evaluation of enteric coated pellets of antiulcer drugs
- 8) Dilip Kowndinya.B, Method development and validation for the estimation of selected drugs using RP-HPLC

1.5) Papers Published:

- 1) "Studies on vapour phase conversion of Ethanol to Acetone using Iron oxide Catalyst", D Jayaprakash , Ch. Sailu, S. Venkateswar, M. B. Rao, Institute of Engineers (India) Journal-CH Vol. 87, September 2006. pp 30-34.
- 2) "Selective Hydrogenation of Phenol to Cyclohexanone Using Palladium on Silica-gel as Catalyst ", Ch. Sailu, D. Jaya Prakash, S. Venkateswar and M. Bhagvanth Rao Indian Chemical Engineer, Vol. 48, No. 4 October-December 2006, pp. 252-261
- 3) Formulation, optimization and evaluation of oral nanosuspension tablets of nebivolol hydrochloride for enhancement of dissolution rate, Jan 2015 Der Pharmacia Lettre K. Thadkala C. Sailu, Jithan Aukunuru.
- 4) Investigation of various practical techniques to enhance dissolution of ezetimibe from oral tablets: A comparative study. May 2014 Journal of Young Pharmacists Prema Kumari Nanam Kiran Thadkala Chintha Sailu Jithan Aukunuru
- 5) Preparation and characterization of amorphous ezetimibe nanosuspensions intended for enhancement of oral bioavailability Thadkala Kiran, Nanam Prema Kumari, Rambabu Bathini, Sailu Chintha, Aukunuru Jithan Year : 2014 | Volume: 4 | Issue Number: 3 | Page: 131-137 International journal of pharmaceutical investigation.
- 6) P.K. Veldandi, V. Ramesh Kumar and Chintha Sailu, Modeling and Simulation of Various Startup Scenarios of Compressors, Recent Innovations in Chemical Engineering 10(2): 139 – 144 DOI: 10.2174/2405520410666170815155119
- 7) Modeling and Simulation Studies of a Variable Speed Compressor Pavan Kumar Veldandi, Prof. V. Ramesh Kumar, Prof. Chintha Sailu International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 IJERTV4IS110333 www.ijert.org (This work is licensed under a Creative Commons Attribution 4.0 International License.) Vol. 4 Issue 11, November-2015
- 8) "Recovery of Lactic Acid by Reactive Distillation", V.V. Basava Rao, P. Shiv Kumar, Ch. Sailu and S. Ram Mohan Rao, Online, Journal of Applied Sciences, (ISSN 1812-5654), Volume 14 (12), 1289-1293, 2014

- 9) "Thermodynamic Parameter Evaluation and Reaction Studies for Butanol Esterification Process in Presence of Sodium-Bentonite Catalyst", B.Rajam, Ch.Venumadhav, P.S.Saiprasad, Ch.Sailu & V.V.Basava Rao, Journal of Engineering and Technology (JET), Vol. 3, Issue 1, 1-10, Jun 2015
- 10) Vijaya Laxmi A, Jyothi T, Sailu C., 2019, Particle engineering by spherical crystallization, accepted in Scopus, IJMPERD
- 11) Prashanth Asadi, Jyothi Thati, Sailu Chintla., 2019, Influence of process conditions on production of dextro tartaric acid by reactive crystallization accepted in Scopus, IJMPERD
- 12) Jyothi Thati, Sailu Chintla., 2018. A Review on Spherical Crystallization Mechanisms and Characterization. Research Journal of Pharm and Tech 11
- 13) K. N. Prasanna Rani, T. S. V. R. Neeharika, T. P. Kumar, B. Satyavathi, C. Sailu, Kinetics of non-catalytic esterification of free fatty acids present in jatropha oil, Journal of Oleo Science, <http://doi.org/10.5650/jos.ess15255>
- 14) Rani, KN Prasanna; Neeharika, TSVR; Kumar, T Prathap; B Satyavathi; Sailu, Ch; Prasad RBN Kinetics of enzymatic esterification of oleic acid and decanol for wax ester and evaluation of its physico-chemical properties, Journal of the Taiwan Institute of Chemical Engineers, 2015, 55, 12-16.
- 15) A. Sri Hari Kumar, K.T. Venkateswara Rao, K. Upendar, Ch. Sailu, N. Lingaiah, P.S. Sai Prasad, "Regioselective Nitration of phenol over silica supported $H_4PW_{11}VO_{40}$ catalyst" Catalysis Communications 18 (2012) 37-40.
- 16) In Vitro Studies on Adsorption of Omeprazole by Activated Charcoal, Shyam Sunder R, Sailu Ch., Vali SM, Hanumath SV., Journal of Pharmacy and Chemistry , Vol 2, No. 2 (2008),123-127.
- 17) "An Experimental Study of Liquid- Particle Flow in Circulating Fluidized Bed", V. V. Basava Rao, Ch. Sailu and D. Krishna Sandilya, Chemical Engineering Communications, 194 pp 353-367, 2007.
- 18) Selective oxidative dehydrogenation of ethane over $MoO_3/V_2O_5-Al_2O_3$ catalysts: Heteropolymolybdate as a precursor for MoO_3 Catalysis Communications 33:76-79 · March 2013
- 19) Catalytic behavior of decomposed molybdophosphoric acid supported on alumina for oxidative dehydrogenation of ethane to ethylene Kinetics and Catalysis 54(5):615-619 · September 2013
- 20) Nitration of phenol over silica supported $H_4PW_{11}VO_{40}$ catalyst Catalysis Communications 18 · February 2012 ri Hari Kumar Annamareddy Upendar Kashaboina K. T. Venkateswara Rao Ch. Sailu

- 21) Selective oxidative dehydrogenation of ethane over $\text{MoO}_3/\text{V}_2\text{O}_5\text{-Al}_2\text{O}_3$ catalysts: Heteropolymolybdate as a precursor for MoO_3 , A. Sri Hari Kumar, K. Uppendar, A. Qiao, P.S.N. Rao, N. Lingaiah, V.N. Kalevaru, A. Martin, Ch. Sailu, P.S. Sai Prasad, Catal. Commun. 33 (2013) 76.
- 22) Catalytic behavior of decomposed molybdophosphoric acid supported on alumina for oxidative dehydrogenation of ethane to ethylene, A. Sri Hari Kumar, V.N. Kalevaru, A. Qiao, A. Alshammari, N. Lingaiah, Ch. Sailu, P.S. Sai Prasad, A. Martin, Kinet. Catal. 54 (2013) 615.

Conference papers

- 1) “Studies on Flash Pyrolysis of Rice Husk”, Ch Sailu, V.V.Basava Rao & P. Laxminarayana, in International Congress on Renewable Energy (ICORE)- 2006, held at Hyderabad, during 8- 11 Feb’ 2006 and published in proceedings (PP 447- 413).
- 2) B.Parameswarlu, Chintla Sailu , K P Charan Kumar, Degradation of Triclosan in Wastewater by Uv-Light Driven Photocatalysis Hyderabad-International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018)
- 3) Oxidative dehydrogenation of ethane to ethylene using decomposed molybdophosphoric acid supported on zirconia Sri Hari Kumar AnnamareddyRaveendra G Ch. Sailu Potharaju S Sai Prasad May 2012 International conference at Leibniz Institute for Catalysis
- 4) Dhegam Srujana, and Chintla Sailu, A study on heterogeneous photocatalytic degradation of various organic compounds using N-TiO_2 under Uv-light irradiation AIP Conference Proceedings 1952, 020106 (2018); doi: 10.1063/1.5032068
- 5) P.Sri Durga, Ch. Sailu, P.S. Sai Prasad, Studies on Perovskite catalysts in Renewable energy process, Climate change: Mitigation and adaptation, Elsevier science and Technology publication, 2014

Conferences Attended

- 6) Ajit Kumar Tallapaka, Jyothi Thati, Sailu Chintla, Oxidative photo catalytic degradation of methylene blue in waste water, 8th ICONSWM, Acharya Nagarjuna University, Guntur, AP, India, 22-24 November, 2018 (Poster presentation)
- 7) “Studies on Flash Pyrolysis of Rice Husk”, Ch Sailu, V.V.Basava Rao & P. Laxminarayana, in International Congress on Renewable Energy (ICORE)- 2006, held at Hyderabad, during 8-11 Feb’ 2006 and published in proceedings (pp 447- 413).
- 8) Sri Hari Kumar, G. Raveendra, Ch. Sailu, A. Qiao, V.N. kalevaru, A. Martin, N Lingaiah, P.S. Sai Prasad, “Oxidative dehydrogenation of ethane to ethylene using decomposed molybdophosphoric acid supported on zirconia” 2nd Indo-German conference held at LIKAT, Rostock, Germany.\
- 9) Ajit Kumar T, Jyothi Thati, Sailu Chintla, 2019, presented a paper at National Conference on Emerging Trends in Mechanical and Chemical Engineering (NCETMCE), Kinetics of Methylene blue degradation in waste water using oxidation photo catalysis, Hyderabad, 24th – 25th January 2019
- 10) Vijaya Laxmi A, Jyothi T, Sailu C., 2019, Particle engineering by spherical crystallization, presented a paper at National Conference on Emerging Trends in Mechanical and Chemical Engineering (NCETMCE) Hyderabad, 24th – 25th January 2019

- 11) Prashanth Asadi, Jyothi Thati, Sailu Chintha., 2019, Influence of process conditions on production of dextro tartaric acid by reactive crystallization, National Conference on Emerging Trends in Mechanical and Chemical Engineering (NCETMCE), 24th – 25th January 2019
- 12) Jyothi N. Sri Durga P, Sailu Chintha., 2019, Synthesis and characterization of natural deep eutectic solvents: sustainable green solvents, National Conference on Emerging Trends in Mechanical and Chemical Engineering (NCETMCE), 24th – 25th January 2019
- 13) Ajit Kumar T, Jyothi Thati, Sailu Chintha, 2019, National Conference on Advances in Nano and functional materials – NCANFM – 2019, Department of Physics, University College of Science, Osmania University, Hyderabad, 30th – 31st January 2019
- 14) “Process development for one-step selective hydrogenation of phenol to cyclohexanone” P. Narender Raju, K. Bharath Kumar, and Ch. Sailu in CHEMCON-2003, held at Bhuvanewar.
- 15) “Catalyst development for the selective hydrogenation of phenol to Cyclohexanone” M. Saroja, V. Rajitha, Ch. Sailu, D. Jayaprakash, and M. Bhagvanth Rao. in CHEMCON-2004, held at Mumbai.
- 16) “Studies on Batch Reactive Distillation of Aqueous Lactic Acid and Butanol System”, Ch. Siva Kumar, Ch. Sailu & V.V. Basava Rao, in CHEMCON- 2005 held at New Delhi, in Dec’ 2005.
- 17) “Fixed Bed Adsorption Studies on Colour Removal from Textile Effluents by using Low Cost Adsorbents”, Sadanandam N, Ramkumar G., Ajay Krishna T., Basava Rao V.V., Sailu Ch., & Ram Mohan Rao S, in CHEMCON- 2005 held at New Delhi, in Dec’ 2005.
- 18) “Studies on Batch Reactive Distillation of Aqueous Lactic Acid and Butanol System” Ch. Siva Kumar, Ch. Sailu, V.V. Basava Rao and S. Venkateswar in Indian Science Congress, held at Hyderabad during Jan 3-7, 2006.
- 19) “Column Exhaust Studies on Adsorption of Colour Dye from Textile Industrial Effluent by Using low cost Adsorbents” N. Sadanandam, G. Ramkumar, V.V. Basava Rao, Ch. Sailu and S. Ram Mohan Rao in Indian Science Congress, held at Hyderabad during Jan 3-7, 2006.
- 20) “Palladium on silica-gel for selective hydrogenation of phenol to cyclohexanone” Ch. Sailu, V. Laxminarayana, M. Bhagvanth Rao. In National Workshop on Catalysis for Energy held at IT BHU Varanasi, Feb. 23rd -25th 2006
- 21) “Purification of Lactic Acid by using Reactive Distillation”, Satish, P.V.V.D.S.S., Raj Kumar, P., Sailu, Ch., and Basava Rao V.V., in CHEMCON-06, held at Ankaleshwar in Dec’ 2006.
- 22) Sri Hari Kumar, K.T. Venkateswara Rao, Ch. Sailu, N.Lingaiah, P.S. Sai Prasad, “Regioselective Nitration of phenol over silica supported $H_4PW_{11}VO_{40}$ catalyst” Oral presentation in CHEMCON-2009, Vishakhapatnam, Andhra university.
- 23) Oxidative dehydrogenation of ethane to ethylene using decomposed molybdophosphoric acid supported on zirconia, A. Sri Hari Kumar, G. Raveendra, Ch. Sailu, A. Qiao, V.N. Kalevaru, A. Martin, N. Lingaiah, P. S. Sai Prasad, presented at “2nd Indo-German Catalysis Conference” held at Rostock, Germany during 19-22 Jun 2011.
- 24) Application of decomposed $H_4PMO_{11}VO_{40}$ catalysts supported on γ - Al_2O_3 for oxidative dehydrogenation of ethane to ethylene. A. Sri Hari Kumar, P.S. Sai Prasad, N. Lingaiah, A. Qiao, V.N. Kalevaru, A. Martin, A. Alshammari, Ch. Sailu, Presented at 15th Int. Congr. Catal. held at Munich Germany during Jul 1 - 6, 2012.
- 25) Catalytic behavior of decomposed molybdophosphoric acid supported on alumina for oxidative dehydrogenation of ethane to ethylene, V.N. Kalevaru, A. Sri Hari Kumar, A. Qiao, N.Lingaiah, A. Alshammari, Ch. Sailu, P.S. Sai Prasad, A. Martin, presented at IX International Conference “Mechanisms of Catalytic Reactions” held at St. Petersburg, Russia, during 22-25 Oct 2012.

- 26) Alumina supported vanadium containing phosphotungstic acid as an effective catalyst for oxidative dehydrogenation of ethane to ethylene, A. Sri Hari Kumar, V.N. Kalevaru, A. Qiao, P.S. Sai Prasad, N.Lingaiah, A. Martin, A. Alshammari, Ch. Sailu, presented at 7th World Congress on Oxidation Catalysis (WCOC) held at St. Louis, Missouri, USA during 9-12 Jun 2013.
- 27) The effect of Mo-V species derived from vanadium containing molybdophosphoric acid for oxidative dehydrogenation of ethane to ethylene, abstract submitted to A. Sri Hari Kumar, V.N. Kalevaru, A. Qiao, P.S. Sai Prasad, N.Lingaiah, A. Alshammari, Ch. Sailu, A. Martin, presented at XIth European Congress on Catalysis (Europacat), held at Lyon, France during 1-6 Sep. 2013

Invited Lectures Delivered

1. "Introduction to Chemical Reactors" in Workshop on Chemical engineering Practices in Process Industries" conducted at University College of Technology, OU, during 27th -29th April 2006.
2. "Fixed bed Catalytic Reactors for Fluid-Solid Catalyzed Reactions" in Workshop on Design and Modeling of Heterogeneous Chemical Reactors" conducted at University College of Technology, OU, during 22nd-23rd Sept. 2006.
3. An invited talk on "Fundamentals of Reaction Engg & Reactor Design" on 17.09.2011 in refresher course on "Recent trends in Chemical Engg" at UGC-ASC, JNTUH, Hyderabad during 05-09-2011 to 24-09-2011. The participants are faculty from chemical engg/chemistry/biotech back ground.
4. Concept proposal presentation III . One day International workshop on Urban green space management: Areas for global policy and research, Institute of Public Enterprise, Hyderabad, 27-02-2015

Training/Short courses/ workshops:

(a) Attended

International

1. Advanced course on industrial catalysts" Applications of Heterogeneous Catalysis" May 12-23, 2007, at University of Houston, TX, USA.
2. Practical Short Course on Bio-diesel and Industrial Applications of Vegetable oils" May 11-17, 2008, at Food Protein R & D Centre, Texas A & M University, College Station, TX, USA.
3. GCMS Training on applications August 10-14 2009, Shimadzu, Singapore.

National

4. Workshop on "Use of Process Simulators" conducted by National Institute of Technology, Warangal, from 28th to 30th April 2006.
5. Short term course on "Tracer Studies of the Graduates of Engineering Colleges under TEQIP" conducted by NITTTR Chennai, during 6th -11th Nov. 2006.
6. Workshop & Training Program on "Computational Fluid Dynamics" conducted by Centre for Development of Advanced Computing (C-DAC) Pune, from 11th to 15th December. 2006.

7. Workshop on “Bioprocess Engineering: Design, Operation and Analysis of Bioreactors” conducted by CBT IST, JNTU Hyderabad, from 22nd to 23rd December 2006.
8. Workshop on “Application of Design of Experiments in Research & Process Development”, UCT OU, January 17-18, 2008
9. “Industry-Academia Workshop on Refining and Petrochemicals” organized by PETROFED and CPCL Chennai, from March 16-19, 2011.
10. TEQIP II Procurement and PMSS training programme organised by NIPMU and NIT Nagpur on 29th and 30th Aug 2011.

(b) Conducted

1. Workshop on Chemical engineering Practices in Process Industries” conducted at University College of Technology, OU, during 27th -29th April 2006.
2. Workshop on Design and Modeling of Heterogeneous Chemical Reactors” conducted at University College of Technology, OU, during 22nd-23rd Sept. 2006.

Seminars/Symposia: Attended

1. “Chemical Engineering Congress” CHEMCON-2004, held at Mumbai, 14th – 17th Dec. 2004.
2. “Chemical Engineering Congress” CHEMCON-2005, held at New Delhi, Dec. 2005.
3. The Indian Science Congress Association, held at Hyderabad during Jan 3-7, 2006.
4. International Congress on Renewable Energy (ICORE)-2006, held at Hyderabad 9th- 11th Feb. 2006.
5. National Workshop on “Catalysis of Energy” IT BHU Varanasi 23rd -25th Feb. 2006.
6. PETROTECH “Advances in Value chain of Hydrocarbon Sector” 20-21 April 2009, Channai.

2. Contributions to Teaching / Academic / Institutional Corporate Life

2.1) Teaching/ Academic Environment:

(a) Courses Taught:

UG Level (B.Tech.)

- Chemical Reaction Engineering, Catalysis, Energy Engineering, Fluid Mechanics, Heat Transfer, Principles of Unit Operations, Chemical Reaction Engineering Lab, Mass Transfer Lab, Computer Application in Process Industries lab, Process Intensification

PG Level (M.Tech)

- Adv Chemical Reaction Engineering (M. Tech. Chem. Engg./Chem. Tech.)
- Chemical Reactor Analysis and Design; Heterogeneous Catalysis (M. Tech. Chem. Engg.)
- Bio-Reactor design and Bio-process Engineering (M. Tech. (BCE&BT))

(b) M. Tech. Project works Guided: 28 - Completed

Completed:

1. “Kinetic Studies on Enzymatic Hydrolysis of Cellulose” by R. Srikanth (1997-at RECW)
2. “Oligomerisation of Lactic Acid” by Adarsh A. Patwari (2001)
3. “Esterification of Lactic Acid with Methanol in semi-batch reactor “ by M. Mukundavani (2002)
4. “A Study on effect of Sonic waves on esterification of 1-Hexanol” by K. Jyothi (2003)

5. "Esterification of Lactic Acid with Butanol in batch reactive distillation column" by B. Surender.(2003)
6. "Catalyst development for the selective hydrogenation of phenol to Cyclohexanone" M. Saroja (2004)
7. "Study of Kinetics for the selective hydrogenation of phenol to Cyclohexanone" by Rajitha (2004)
8. "Studies on Adsorption of Omeprazole drug by Activated Charcoal" by Shaik Mahabu Vali (2005)
9. "Studies on Reactive Distillation of Lactic Acid" by Ch. Siva Kumar (2005).
10. "Modeling, Simulation and Optimization of Fixed Bed Reactor for Selective Hydrogenation of Phenol", by V. Lakshminarayana (2006)
11. "Studies on Batch Reactive Distillation of Aqueous Acetic Acid and Methanol System", during the year 2005-2006 doing by Sd. Rayeez Ahamed (70410)
12. "Studies on Trans-esterification of Vegetable Oils to Bio-Diesel" during the year 2006-2007 doing by Sowjanya (70505)
13. "Modeling and simulation of fixed bed catalytic reactor for the selective hydrogenation reactions" 2008-09 by Salma Muneer (70716)
14. "Process development for Liquid phase hydrogenation of Phenol" 2010-11 by Abhishek (70801)
15. "Catalyst development for the Trans-esterification of Vegetable Oils to Bio-Diesel" 2008-2009 by Sridurga (70705)
16. "CFD Modeling of Catalytic Packed bed Reactor" (2011-12) S. Ramesh
17. "Process modeling and Optimisation using ASPEN" (2011-12) Ravi Kanth
18. Hydrogenation of liquid phenol to cyclohexanone by A Vijaykanth, 2012 (1008-09-809-006)
19. Oxidative dehydrogenation of ethane to ethylene by Meenakshi k, 2012 (1008-10-809-006)
20. Photo catalytic degradation of triclosan in waste water by K P Charan kumar, 2013 (1008-10-809-032)
21. 1,2D CFD modelling and simulation flow and heat transfer in packed bed column, 2013 (1008-11-809-010)
22. Oxidative photo catalytic degradation of ibuprofen in waste water by Ajay Raj.D, 2013 (1008-10-809-002)
23. UV-Light induced photo degradation of Bisphenol A in water, by Vanam Sudhakar, 2013 (1008-10-809-031)
24. Oxidative photo catalytic degradation of methylene blue in waste water by Ajit kumar T, 2014 (1008-11-809-001)
25. Reactive extraction of free fatty acids in Jatropha oil using monoethanolamine for the production of biodiesel by Hari priya das, 2016 (1008-13-809-003)
26. A Novel separation technique to break 2-Methyl-2-Propanol/water azeotrope by using reactive distillation, by S.V. Rupesh Reddy, 2016, (1008-13-809-008)
27. Developing advanced oxidation process for removal of EDC compounds from waste water, by Dhegam Srujana 2016, (1008-13-809-011)
28. Davuluri Satya sri, 2015, (1008-12-809-003)

2.2) List of Conferences, Short-term Courses, Workshops etc.

(a) Conducted/ Organized:

1. GATE Coaching for SC/ST Students was conducted during the years 2000, 2001, 2002 with the cooperation of Social Welfare Department (AP Study Circle)
2. National Student Seminar Techno-Quest-1999, 2000, 2002 (**as Convener**)
3. A Three -Day Workshop on “Computer Aided Quality Engineering Interface with TQM/ISO- 9000/14000”, during 11-13, May 2000.
4. 55th Annual Session of Indian Institute of Chemical Engineers, “CHEMCON-2002” during 19-22, December, 2002.
5. 6th Annual Session of Indian Chemical Engineering Students Congress, “*iChescon-2004*” during 20-21 February 2004 (**as Convener**)
6. A Seminar on Facets of Chemical Engineering, on 30th September 2005.
7. “Workshop on Chemical engineering Practices in Process Industries” conducted at University College of Technology, OU, during 27th -29th April 2006.
8. “Workshop on Design and Modeling of Heterogeneous Chemical Reactors” conducted at University College of Technology, OU, during 22nd-23rd Sept. 2006.
9. Conducted regular feature of organizing carrier building guidance interactive programs and special lecture under IChE student chapter activities in position of **Coordinator of IChE Student Chapter** of UCT,OU.

(b) Expert Lectures Delivered:

1. Guest lectures for Under Graduate (B.E. 3/4 Mechanical) students on “Studies on Rice Husk Pyrolysis” at Arunai Engineering College, Tiruvannamalai, on 18th Dec. 1998.
2. Guest lectures for Under Graduate (B.E. 2/4 Chemical) students on “Unit Operations in Process Industries” at Arunai Engineering College, Tiruvannamalai, on 19th Dec. 1998.
3. “Introduction to Chemical Reactors” in Workshop on Chemical engineering Practices in Process Industries” conducted at University College of Technology, OU, during 27th -29th April 2006.
4. “Fixed bed Catalytic Reactors for Fluid–Solid Catalyzed Reactions” in Workshop on Design and Modeling of Heterogeneous Chemical Reactors” conducted at University College of Technology, OU, during 22nd-23rd Sept. 2006.
5. Design of Experiments for Pharmaceutical Engineering 2010

(c) Seminars Participated as Resource Person

1. The National Seminars Organized as Coordinator IChE Student Chapter UCT.
 - Technoquest 1999, 2000 and 2002
 - ichescon 2004, Catalysis 2011
2. Participated in 55th Annual Session Of Indian Institute Of Chemical Engineers, CHEMCON’2002 held at Hyderabad during 18-21, Dec’2002 and **Chaired a Technical Session**
3. Participated in FUSION-2000 held at JNTU College of Engineering, Anantapur, on 17th April 2000 and **Chaired a Technical Session.**
4. SCHEMCON-2006 conducted at JNTU College of Engineering, Anantapur, during 15th – 16th Sept. 2006 and **Chaired a Technical Session.**

3. Contributions to Administration and Institutional Corporate Life

3.1) College/ Department Level (University College of Technology) Administration

1. In-charge of Examinations at College level for the period 1998-2000
Duties include allotting invigilation duties and conducting of University level examinations and Class Tests in the college.
2. Represented EAMCET Counseling on behalf of College for the year 2000.
3. Student Adviser 2000-2003
4. Member of Anti Ragging Committee 2002 on wards
5. Committee member for M. Tech. Admissions for the academic years 2004-05, 2005-2006 (Counseling and Admissions)
6. Committee member for Final Year B. Tech. Seminars for the academic years 2005-2006, 2006-2007 (allotment of topics to the students and organizing the seminars on each week in the final year second semester)
7. Member of **Departmental Committee** and Member of **College Academic Council**

3.2) University Level:

1. **Warden (General) of Technology Hostel from 2000 to 2002**
To look after Main-Technology and New-Technology hostel general administration and to provide necessary facilities for hostel boarders.
2. **Warden (Mess) of Technology Mess from 2002 to 2003**
To look into Mess maintenance and management of all the activities pertaining to mess billing and purchases.
3. **Vice-Principal of University College of Technology from 2004 to 2006**
Delegated powers
 - Non-teaching staff-attendance, allocation & monitoring of duties
 - Day to day running of the schedules of college, theory and laboratory classes, conduct of class tests & university examinations.
 - Permissions for issuing original certificates, bus passes, railway and airline concessions to students.
 - To monitor routine office administrative matters, paper/file of Principal office.
4. **Chairman, Board of Studies in Technology (2006-2008)** for the period of two years to look after the confidential work of UG, PG and Doctorate programs at University level. The responsibility involves providing the panel of subject experts, paper setters and evaluators for various university examinations for the faculty of Technology. Moderation and proof reading of question papers. Evaluating of the performance of affiliated colleges by inspections. Arranging the Board of Studies meetings, Syllabus contents and Scheme of valuation updating. etc.
5. **Selection Committee Member** for some of institutions (Niraj Institution of Professional studies, Sri Shakti College) of Hotel Management and Catering Technology 2003 - 2005.
6. **Inspection Committee Member:** Served as the Inspection Committee Member to Inspect Colleges for Affiliation.
7. **Governing body member** for some of university affiliated Hotel Management Colleges offering BHMCT courses
8. **Director of Evaluation, Examination Cell, University College of Technology(Autonomous)** In-charge for planning of all the examination processes,

evaluations and results of all the courses (UG, PG) conducted in the College under autonomous status. Issuing the memorandum of marks and Provisional Certificates.

9. **Director SC/ST Cell, Osmania University**, In-charge to look in to all the matters pertains to grievances of SC/ST Employees' of University, Monitoring of recruitments with insisting on roster points for all the posts.

10. **Member for DST, PURSE Project of OU**

11. **Regional Coordinator (HYD-1)** for the conducting EAMCET Examinations for the years 2008, 2009, 2010 and 2011.

12. **Principal, University College of Technology, Osmania University, Hyderabad – 500007, 2012-2015**

3.3) Extension and field outreach activities

Academic Bodies and Societies:

- Life Member in Indian Institute of Chemical Engineers (LM 14837)
- Life Member in Indian Science Congress (LM 106517)

Service to Chemical Engineering Bodies:

- **Coordinator IChE student chapter** of University College of Technology, OU from 1998 onwards and conducted various student competitive activities in the College, State and National levels. The College Student Chapter has won the **Best Student Chapter Award for the year 2004** for its outreach activities.
- Elected as **Honorary Secretary** IChE Hyderabad Regional Centre (2008-10) for two terms.
- Member, AICTE Regional, Committee Office – Hyderabad.

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