

BIO-DATA

Name: Dr. Shanigarapu Sharada

Parents: S.Ramachandram & Smt.S.Radha

Official Address: Professor of Chemical Engineering & Head of Chemical Engineering, Jawaharlal Nehru Technological University Anantapur Anantapuram - 515 002, Andhra Pradesh (India).

Mobile.No.: 7382720314 (O); 9642853207 (P)

Personal Details:

E-mail ID: sharada01s@gmail.com; sharadas.chemengg@jntua.ac.in

Google Scholar URL: <https://scholar.google.co.in/citations?user=qij0n0kAAAAJ&hl=en>

GUIDING PRINCIPLE: To always innovate and discover

Academic Profile:

Class/Degree	Board / Institute / University	Year of Passing	Percentage / CPI*
B. Tech (Chemical Engg.)	Swamy RamanandaTirtha Institute of Science &Technology, A.P	2001	76.7
M. Tech (Chemical Engg.)	JNTUACEA	2003	78
B.Tech Project: Manufacturing of Triethyl orthoacetate. M.Tech Project: Studies on adsorption of mixture of weak organic acid and strong mineral acid using weak anionic exchange resin. PhD: Studies on Microreactor based processes for selected reactions			
Ph.D (Chemical Engg.)	JNTUA, Anantapur	September 2018	....

Job Experience:

J.N.T.U.A. College of Engineering (Autonomous), Anantapuramu, A.P.

Designation : Associate Professor: 05-03-2020
Duration : 21st June 2003 – Till Date (**19 Years**)
HOD : 26 October 2016 to 21 Feb 2022
Job Description : Teaching for PhD, M. Tech and B. Tech students

Setting new and advanced laboratories and supervising M.Tech Thesis.

Projects Guided : M.Tech – 24, B.Tech – 28, PhD--3

Subjects Specializations : Chemical Engineering Thermodynamics, Fluid Mechanics, Reaction Engg, Environmental engineering, Env Engg., Synthesis and applications of Nanotechnology.

Computer Proficiency:

- Languages : C & SAP ABAP
- Operating Systems : Windows
- Worked on FLUENT and GAMBIT
- Worked on ASPENPLUS, MATLAB, MINITAB

Software Tools for Assessment

- GOOGLE form
- Jeopardy lab tool (creating Learning Material)
- Secretive tool (creating Learning Material)
- Hot Potato Software
- MOODLE

Achievements as Head of the Department:

As a chairman responsible for achieving **NBA accreditation** two times. From **2013-2016 & 2016 - 2022**.

As chairman of **BOS, Department of Chemical Engineering, JNTUCE** Anantapur (autonomous), innovate changes were made in B. Tech course curriculum.

TEQIP funds were utilized in time and procured sophisticated instruments for the department to conduct high end research.

Instrumental in getting the opportunity to host the prestigious international students 'seminar, SCHEMCON during September 15-16, 2006.

Successfully conducted many workshops/ Seminars/Symposia/ Social awareness programs.

Successfully conducting **MOOCs** through SWAYAM NPTEL for UG & PG students

Coordinator for **NPTEL SWAYAM local Chapter** in getting local chapter at institute from IIT Madras.

Development of E-learning delivery process/material:

S.No.	Title of the e-learning module developed	Month and Year of development	Organization where the developed module is being used	Score
1.	Open education resource module in “Chemical Engineering Thermodynamics	19 December, 2018 https://wordpress.com/view/sharada186708.wordpress.com ; https://www.youtube.com/watch?v=R2I2oBI3NCA&t=194s	JNTUACEA	10
2.	LbD&LeD activity	2018-19 https://shanigarapusharada.moodlecloud.com/	JNTUACEA	10
3	Created one OER	https://www.youtube.com/watch?v=2ysttUhZukw	JNTUACEA	10
4	Modules developed in Moodle Cloud	https://shanigarapusharada.moodlecloud.com/	JNTUACEA	10
5	Developed “course journal “	https://sharada186708.files.wordpress.com/2018/10/course-journal-shanigarapu-sharada.pdf	JNTUACEA	10
6	Created activity:LeD, LbDactivity, Quiz, , Screen Casting	https://wordpress.com/view/sharada186708.wordpress.com	JNTUACEA	10

Patents:

1. **Patent published on the title: Electrocoagulation technique for the effective treatment of waste water from Various sources. Published date: 05-05-2023**

Publications:

International Journal:

July 2022- June2023:

1. Performance Evaluation of Sewage Treatment Plant at Gachibowli, Hyderabad, India.” YMER || ISSN : 0044-0477 VOLUME 22 : ISSUE 01 (Jan) - **2023** <http://ymerdigital.com>; Duvvuru Susendra a , S. Sharada a*, N. Raveendhar a**;IF: 3.7.
2. GIS-Based evaluation of water quality Index (WQI) of ground water resources in and around of Kakinada, Andhra Pradesh, East coast of India.”, K.Murali, S Sharad, Y R Satyajji

Rao;GIS Science Journal; DOI: 20.18001.GSJ.2022.V1012.23.40770, volume 10, issue 2, **2023**; ISSN NO. 1869-9391; UGC approved journal.

3. **March 2023** | IJIRT | Volume 9 Issue 10 | ISSN: 2349-6002; IJIRT 158704 INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY 433;"A Review Paper on Water Quality Index Models Evolution and Their Applications: ;G. Tirumalesh1,, S. Sharada1*, N. Raveendhar2;Genesis, International Journal of innovative research in technology: ISSN: 2349-6002
4. Treatment of Dairy Wastewater by Electrocoagulation Technique; Shaik Firoz a; S.Sharada a*YMER || ISSN : 0044-0477;VOLUME 22 : ISSUE 03 (**Mar**) – **2023**;http://ymerdigital.com.
5. Indian Journal of Advances in Chemical Science; **Simple Water Technique for the Removal of Arsenic from Groundwater and its Kinetic Studies**; S. Sharada1;*, D. Zarena2;KROS Publications; **2023**; 11(1): 49-54; IF: 0.208.
6. Ravindra Reddy S*, K.B. Chandrasekar1 , S. Sharada2; **ASSESSMENT OF DRUG RELATED PROBLEMS IN GERIATRIC PATIENTS OF TERTIARY CARE HOSPITAL IN SOUTHERN INDIA**; Strad Research <https://doi.org/10.37896/sr9.9/015> ISSN: 0039-2049; VOLUME 9, ISSUE 9, **2022** <http://stradresearch.org>
7. Published a paper on paper on **"Production of Performic Acid through a Capillary Microreactor by heterogeneous catalyst"** in the international journal of Chemical Reactor Engineering, **2022**, <https://doi.org/10.1515/ijcre-2022-0020> ;Scopus Indexed Journal.
8. Published a paper on paper on **"Synthesis of Perbutyric Acid with Amberlyst Catalyst in a Continuous Microreactor"** in the journal of Materials Today, **2022**, <https://doi.org/10.1016/j.matpr.2022.06.202>.
9. published paper on "Green Synthesis of Silicon Dioxide Nanoparticles using Desmostachya Bipinnita" in the Journal YMER || ISSN: 0044-0477; VOLUME 21 : ISSUE 3 (**Mar**) – **2022**. Scopus Indexed Journal.
10. Green Synthesis of Silicon Dioxide Nanoparticles using "Desmostachya Bipinnita" YMER || ISSN : 0044-0477; VOLUME 21 : ISSUE 3 (**Mar**) – **2022**; page No.398-405. UGC CARE JOURNAL

July 2020- June2021:

1. Shaik mohammad shameer, sharada, **"surface assimilation studies for the removal of eyes from synthetic waste water from the biomass of Azadirachta Indica"**, published in IJARIE: ISSN-2395-4396; impact factor: 4.6
2. V. Mukesh, S Sharada **"study to remove arsenic content from groundwater using sand filtration technique (SFT)"**, Publication in PENSEE Journal, Volume 51, Issue 05, May-2021. IF: 6.0

July 2019- June2020:

.....check the project books.....

1. **S. Sharada^{2*}**, Piyush Gupta^{1*}, Paturu Siva Niveditha², “Treatment of ground water using phytoremediation technique at Anantapur, India”, World Environment **Oct.2019**, 9(2); 46-55.
2. Life cycle assessment of second-generation Ethanol using Rice straw; 17001D8220; M.Kavya ; NEERI, Pune.2017-2019.
3. Spatial variations in drinking water quality parameters of kadapa district and analysis of water quality index; 17001D8222;A.Nagarjuna; 2017-2019.JNTUACEA
4. Purification domestic water in a continuous microreactor in green synthesis route; 17001D8220;2017-2019;JNTUACEA.
5. Synthesis of silver nanoparticles and reducing agent as moringa leaves in microreactor; 2019-2020; 17001D8222.
6. DEFLUORIDATION OF WATER BY ACTIVATED CARBON PREPARED FROM HERBAL PLANTS; 19001D8216;S.Surekha; JNTUACEA.

Conversion and Comparison of Cellulose present in Rice Straw and Ground nut shell.

Purification of waste water using Moringaoleifera seeds as a natural adsorbent.

Synthesis of Iron nanoparticles using Moringa Olifera leaf extract.

July 2018- June2019:

1. Aparna Kamarthi¹, Sharada **Shanigarapu²**, “Green Synthesis of Nickel Nanoparticles from Extract of Coriandrum Sativum Leaves”, IJSRD - International Journal for Scientific Research & Development| Vol. 6, Issue 07, **2018** | ISSN (online): 2321-0613.**Impact factor:** 4.396
2. **S. Sharada^{2B}**. Babajan¹,” Synthesis and Characterization of ZnO Nanoparticles for Hydrophobic Applications”, International Journal for Research in Applied Science

& Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; Volume 6 Issue IV, **April 2018**. [SJ Impact Factor: 6.887].

3. **S.Sharada**, Shabbeer Dudekula, “ Green Synthesis of Silver Nanoparticles For AzoDye(Methyl Orange) Degradation Using Musa Balbisiana (Banana) Leaf Extraction”, IJRAR **December2018**, Volume 5, Issue 4 ISSN 2348-1269, P- ISSN 2349-5138.**UGC approved no.43602. IP:**

July 2017- June2018:

- 1.**S. Sharada^a**, T. Bala Narsaiah and Shirish Sonawane , “ Synthesis of Transition Metal (Ag.) Nanoparticles in a Continuous Flow Spiral Micro Reactor”, Journal of Basic and Applied Engineering Research p-ISSN: 2350-0077; e-ISSN: 2350-0255; Volume 4, Issue 3; **April-June, 2017**, pp. 234-236.
2. **S. Sharada^a**, Shirish Sonawane, T. Bala Narsaiah and K. Lavanya , “ Synthesis of Metallic Element [Silver] Nanoparticles in a Continuous Micro Flow Reactor using Surfactant”, Journal of Basic and Applied Engineering Research p-ISSN: 2350-0077; e-ISSN: 2350-0255; Volume 4, Issue 6; **July-September, 2017**, pp. 397-398.
1. **S. Sharada^{1*}**, Srikanth Pusarla¹ ,International Journal of Science and Research (**IJSR**); **Volume 6** “Synthesis of Zinc Nanoparticles and Its Application in Treatment of Municipal Water of Anantapur “ Issue 1, **January 2017. Impact factor: 4.857**

July 2016- June2017:

1. **S. Sharada^a**, Prashant L. Suryawanshi^b, Rajesh Kumar P.^b, Sarang P. Gumfekar^c, T. Bala Narsaiah^a, Shirish H. Sonawane; Colloids and Surfaces A: Physicochemical and Engineering aspects Volume 498, **5** “ Synthesis of palladium nanoparticles using continuous flow microreactor “ **June 2016**, Pages 297–304.**Impact Factor: 3.131**
2. **S. Sharada^{1*}**, Mr. G.Surendra Babu^{*} , K.Hema Latha²; International Journal of Science & Engineering Development Research, “Production of biogas from kitchen waste.” **June 2016, Impact factor: 5.47.**
3. **S.Sharada** , N.Bhagya sri , K.Supriya , M.Venkatesh , M.Srihari; International Journal of Science & Engineering Development Research, ISSN:2455-2631, Vol.1 “Adsorption of toxicants (chromium, iron and oxalic acid) on activated

carbons prepared from tamarind seeds”, Issue 5, page no.274 - 283, **May-2016.Impact factor: 5.47**

July 2015- June2016:

1. G.Sai kumar*1 and **S.Sharada2**; International Journal of Engineering Research and Development (IJERD); e-ISSN: 2278-067X, p-ISSN: 2278-800X, Volume 11 “MEMS MICROPHONE INTERFACE”, Issue 09 (**September 2015**), PP.16-19. **Impact Factor: 4.61.**
2. **S.Sharada1***,B. Sahithi2, V.Pradeep kumar3,D. Akhileswar4, B.Samatha5; International Journal of Engineering Research and Development (**IJERD**) e-ISSN: 2278-067X, p-ISSN: 2278-800X, Volume 11“ Treatment of Effluent from Granite Cutting Plant by Using Natural Adsorbents like Rice Husk Carbon and Saw Dust Carbon “, Issue 04 (**April 2015**), PP.54-65. **Impact Factor: 4.6.**
3. **Sharada Sand Omprakash V*** and “Green Synthesis and Characterization of Silver Nanoparticles and Evaluation of their Antibacterial Activity using Elettaria Cardamom Seeds” ;J Nanomed Nanotechnol **2015**, 6:2;**Impact Factor: 3.57.**

July 2014- June2015:

1. **Sharada.S2** and Naga Raju Kooluru*1 and, International Journal of Engineering Research and Development (IJERD),e-ISSN: 2278-067X, p-ISSN: 2278-800X, Volume 10“Green synthesis of zinc oxide nano particles using flower extract cassia densistipulatataub”, Issue 12 (**December 2014**), PP.16-19. **Impact Factor: 4.6.**
2. **S.Sharada***, M.KalyanKumar.,International Journal of Engineering Research & Technology (IJERT), Vol. 3 “**Studies on Waste Water Characteristics of Dairy Effluent and Evaluation of Kinetic Parameters**” Issue 8, **August –2014**, ISSN: 2278-0181.

July 2013- June2014:

1. **S.Sharada***“Microwave drying of spinacia oleracea”., International Journal of Research in Engineering and technology (IJRET) , volume 2, issue 11, **November2013**.e-ISSN: 2319-1163,p-ISSN:2321-7308.**Impact factor: 7.86.**
2. **S.Sharada***,V. Ramanjaneyulu, M. Jaipal, NookalaYasovardhan, International Journal of Emerging Trends in Engineering and Development(IJETED). Issue 3“ Kinetic Studies on Removal of Fluoride from Drinking Water by using Tamarind Shell and Pipal leaf Powder “, , Vol.5 (**September2013**). ISSN 2249-6149.

3. **Smt. S. Sharada**¹ and Dr. R. Bhavani²., International Journal of Advanced Scientific and Technical Research, Issue 3 volume 5 “Water Quality Index for Assessment of Water Samples of different Location in Tirupati, Chittoor District, A.P, INDIA”, ,**Sep.-Oct2013**. **Impact factor: 3.94**.
4. **Smt. S. Sharada** and Dr. R. Bhavani “Testing of ground water quality for drinking purpose in tirupati, chittoor district, A.P, India”, International Journal of Emerging Trends in Engineering and Development, Issue 3, Vol.5 (**September 2013**). ISSN 2249-6149. **impact factor=4.364**.
5. **S.Sharada** “Water quality Index for Assessment of water samples of different location in Anantapur Town, Andhra pradesh”; Vol 6, and Num 7, **August2013**. International Journal of advances in science and technology. ISSN: 2229-5216. **impact factor=4.364**.
6. **S.Sharada***, Nookala Yasovardhan Department of Chemical Engineering, JNTUACE, Anantapur, 515002 (A.P). International Journal of Emerging Trends in Engineering and Development, Issue 3, Vol.4 “Study of Ground Water Quality at Selected Locations in Anantapur Town, Andhra Pradesh”, (**June-July2013**). ISSN 2249-6149. **impact factor=4.364**.
7. **S.Sharada** “Adsorptive removal of Phenol by using Fly ash and Guava leaves”, International Journal of Emerging Trends in Engineering and Development. Issue 3, Vol.2 (**May2013**). ISSN 2249-6149. **impact factor=4.364**.
8. **S.Sharada** “Studies on effect of various operating parameters & foaming agents- Drying of fruits and vegetables”, International Journal of Modern Engineering Research (IJMER) www.ijmer.com Vol. 3, Issue. 3, **May. -June. 2013** pp-1512-1519 ISSN: 2249-6645.
9. **S.Sharada** “Mathematical models for drying behavior of green beans” , Vol. 3, Issue 3, **May-Jun2013**, pp.845-851., International Journal of Engineering Research and Applications (IJERA) ISSN: 2248-9622.

Conferences:

National:

1. Presented paper on contaminate and pollutant management (ConCPM-2021); April 22nd -23rd ,2021. On “**preparation on activated charcoal from the biomass of Azadirachta Indica**”
2. Presented paper at national Conference on Current & Emerging Process technologies e-Concept-2021 on **February 20,2021** on” **Performic Acid synthesis in a Teflon tube microreactor** “in the area of Catalysis and reaction Engineering, at Kongu engineering College, perundurai, Erode-638060, Tamil Nadu

3. Presented paper at National Seminar on advances in green chemistry at Sree neelam sanjeeva reddy arts, science and commerce, Vellore on” **Green nanoparticles production using microreactor technology for reducing hazardous substances**” ; ISBN:97893-85101-06-9.
4. Presented paper at National conference on Pollution Control strategies in chemical & related industries PCSCRI-2017) ; from **10th -11th March 2017** on “ **Synthesis of silver nanoparticles by using continuous flow microreactor**”.

International:

2022- 2023:

1. Assessment of anthropogenic contaminants of groundwater in and around Kakinada Smart City, Andhra Pradesh; Kandelli M., Y.R.SatyajiRao and S. Sharada; **TECHNICAL SESSION 5: WATER RESOURCES MANAGEMENT ISSUES.**
2. Trend analysis of water quality by using CCME Water Quality Index Method in Srirampur coal mining area, Telangana; Tirumalesh C., Sharada S., Raveeendhar N. and S.Begum; **TECHNICAL SESSION 5: WATER RESOURCES MANAGEMENT ISSUES.**
3. Performance evaluation of sewage treatment plant by moving bed biofilm reactor technology; Susendra, SharadaS. and Raveeendhar N.
4. Treatment of dairy wastewater by electrocoagulation process; Shaik Firoz and Sharada S.

2021- 2022:

1.Green synthesis of silicon dioxide nanoparticles using "DESMOSTACHYA BIPINNITA" Authored by S Sharada, S Abdul Rehaman; under Nano Science and Technology theme was presented at the 74th Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2021) held in Hybrid mode from 26th - 30th December 2021 ;at CSIR - Institute of Minerals and Materials Technology, Bhubaneswar, India.

2.6TH International Conference on Research & Developments; Organized by International Institute of Research in Multidisciplinary; Paper Title: SOLVENT RECOVERY IN PHARMACEUTICAL INDUSTRY BY RBC, RB AND FFE METHOD USING VENTURI SCRUBBER SYSTEM; Author(s): B. VEERESH, Er. SIVA RAMYA SANAM, Dr. S. SHARADA; ISBN-13:979-8-7815-7211-3; Organized by International Institute of Research in Multidisciplinary - Skill Development Trust, Chirala, Andhra Pradesh, India on 05-DECEMBER-2021:

3. WCASET_Vietnam_270305427 “ To determine the chlorine demand for given waste water and raw water sample” organized by the Institute For Engineering; Research and Publication (IFERP) which will be held in Vietnam on 27th – 28th May 2021.

2019- 2020:

1. Presented paper on 4th International Conference “**Sustainable Energy & Environmental challenges**” on 27-29 **November, 2019** by NEERI and ISEES, Spatial variations in drinking water quality parameters of kadapa district and analysis of water quality index.
2. Presented paper at International Conference on “**water resources, climate change & sustainability**” sponsored by Indian Institute of social science research & action aid a on 27-29, **2019** at Institute of public Enterprise, Osmania University Campus, Hyderabad.

2017- 2018:

1. Presented paper on, "**Preparation of Superhydrophobic Surfaces by Nanoparticle-Polymer Composite**," Proceedings of the two day national conference on "Pollution Control Strategies in Chemical & Related Industries," pp.51, 10th -11th **March 2017**, Tirupati
2. Presented paper on “**Synthesis of Transition metal (Ag) Nanoparticles in a continuous flow microreactor**” at International Conference on Recent trends in Chemical Environmental, Bioprocess, Textile, Mining, Material and metallurgical Engineering (CEBTME-2017) organized by Krishi Sanskriti held at Jawaharlal Nehru University , New Delhi on **29th April, 2017**.
3. Presented and participated at International Conference on Biotechnology & Bio-Engineering-TRENDS on “**Synthesis of nanoparticles by using continuous flow micro reactor-Review** “ in the Three day International conference on Biotechnology & Bioengineering-Trend-ICBT-2017, jointly organized by CBT, IST, JNTUH & DBT, SNIST Jawaharlal Nehru technological University Hyderabad Sponsored by TEQIP-II on **23rd-25th march , 2017**.
4. Presented paper on “**Synthesis of Biodiesel from crude neem oil in a batch reactor** “ held during **24th and 25th January 2017** , UGC Sponsored-two day International conference on emerging trend in chemical, Pharmaceutical , Environmental Sciences & technology organized by Department of Chemistry, Pithapur Rajah’s Govt.College , Kakinada, Andhra Pradesh, India.

2016- 2017:

1. Presented paper on “**Synthesis and characterization of silver nanoparticles by using vitis vinifera and citrus limetta**” S.Sharada1*, Dr.T.BalaNarsaih & M.Venkata Prasad,

International conference on –TSCST-Nature Inspired Chemistry & Engineering- NICE 2016, Sponsored by TEQIP-III from 4th – 6th October 2016.

2. Presented paper on “**Development synthesis of Zinc Oxide nano particles and its application in water treatment technology**” K.Santosh Kumar¹ and S.Sharada², 13th International Conference (ICBCCE-2015), ISBN: 978-93-85225-53-6, 6th December, 2015, Hyderabad.
3. Presented a paper “**Environmental implications of conventional farming system** at International Conference on “Emerging trends in chemical and pharmaceutical sciences” of ICETCPS-2013 and 1st convention of ICCP held at JNTUA during 28th to 30th June 30th in collaboration with science-Tech foundation Bangalore.

Book & Chapters:

1	JNT UAC EA	Dr. S. Shar ada	Effects of Plastics (Micro Plastics) in the Field of Farming LAP Lambert Academic Publishing (2023-01-05)	S. Sharada	Lambert publications	ISBN-13: 978-620-5-52860-0 ISBN-10:
2	JNT UAC EA	Dr. S. Shar ada	Fermentable sugars from rice husk and groundnut shell LAP Lambert Academic Publishing (2023-01-16)	S. Sharada	Lambert publications	ISBN-13-978-620-5-63252-9
3	JNT UAC EA	Dr. S. Shar ada	DESIGN OF SHELL AND TUBE HEAT EXCHANGER	S. Sharada	Lambert publications	ISBN NO. 978-620-5-49904-7

4	JNT UAC EA	Dr. S. Sharada	Removal of Cu(II) from synthetic waste water using natural adsorbents"	S. Sharada	1 st Edition by Lambert Academic in the year December 2018;	ISBN: 978-613-9-97119-0
5	JNT UAC EA	Dr. S. Sharada	"An Overview of Biodiesel"	S. Sharada	Academic in the year December 2018	978-613-9-99156-3
6	JNT UAC EA	Dr. S. Sharada	Nanoparticles for super hydrophobic applications	S. Sharada	1 st Edition by Lambert Academic in the year June 2021	ISBN: 978-620-3-86967-5
7.	JNT UAC EA	Dr.S. Sharada	Restoration of silver from waste materials	H rehana, S Sharada, T Noorjahan begum.	Lambert publication	ISBN-978-620-6-15404-4

Video/Guest Lectures:

- Invited on the Graduation Day at Balaji college of pharmacy on /06/2022 given a lecture on " Research in the area of pharmaceuticals " Anantapur .
- Invited on the 1st Graduation Day at MIPER Kurnool on 16/07/2022 as Guest of Honour and given a lecture on " The role of pharmaceuticals in the field of engineering"
- Guest lecture on "**Women Empowerment**" on the topic related to pharmacy students at our Institute. In this regard we request your consent as a Resource Person on any dates before **7th August'2021**.
- Invited talk on "**Recent Development in renewable Energy Sources**" on **5-7th June 2018** at NITTE Meenakshi Institute of technology.
- Guest lecture on "**Ayurvedic research and methodology: present status and future strategies**" at Institute of Ayurveda and Integrative medicine on **25-03-2017**.
- Invited talk on "**What Ayurveda say about food and diet**" at Institute foundation for revitalization of local health traditions on **28-08-2016**.
- **Invited speaker** for the AICTE sponsored Two-Week faculty Development program "**Recent innovations in Unit operations for pharmaceutical Industries** "at department of Chemical Engg, JNTUACEA from 20-11-2017 to 02-12-2017.

- Invited as a Resource person and given a talk on “**Personality development for Engineering graduates**” on 11th**November 2014** on the occasion of **National Education Day** at Sreenivasa College of Engineering and Technology, Kurnool.
- Keynote speaker on “ozone day celebration” held at **LRG School** Anantapur on 16-09-**2014**.
- Given a Talk on “**ozone Depletion**” at LRG School on 16 **September 2014** on the celebration of “ozone day celebration”.
- Given a lecture on “Entrepreneurship” on March 15th**2014** at EDP unit cell at Anantapur.

Projects:

[1] *Principal Investigator*, UGC XII plan “**Innovative research Activities**” for the project “**Development, Synthesis of Zinc oxide nanoparticles and its application in water treatment technology**” on **15-07-2015** upto **December 2016**. Amount Sanctioned: 1.5 Lakhs.

Memberships of Professional Bodies:

1. *Editorial board Member* for International Journal of Application or Innovation in Engineering & Management (**IJAEM**) – Member ID 1019 from October 2014.
2. *Life time Member* - Indian Institute of Chemical Engineers (**IICHE/M-5/Subs-LM-54565**)
3. *Member* for International Association of Engineers (**IAENG**)- membership No: 134360.
4. *Member* for International Association of Computer Science and Information Technology (**IACSIT**).
5. *Life member* of “**INDIAN DESALINATION ASSOCIATION**”- membership no: LM-321.
6. *Member of American Chemical Society*
7. *Editorial Board- Review committee* for International Journal of Scientific and Engineering Research (**IJSER**) from 2014.
8. *Review Board member* for International Journal of Research in Engineering and Technology (**IJRET**) from November 2014. Reviewer **ID: 20130513**.
9. *Editorial Board Member*, **SCIREA** Journal of Chemical Engineering, October **2019 with ID: 3015951**.

10. Peer Reviewer, **Journal of Energy, Environmental & Chemical Engineering**, Science Publishing Group **Journal of Energy, Environmental & Chemical Engineering**, October **2019** (Science PG).ID: **10355772**.
11. Reviewer for manuscript for the "**Iranian Journal of Chemistry and Chemical Engineering (IJCCE)**"- IJCCE-3786.
12. Reviewer, **Material Science Research India** (MSRI) ISSN 0973-3469) Journal, 04November**2019**.

Administrative Responsibilities:

1. **Research Review Committee member** for Chemical Engg, Pharmacy and Biotechnology from 2018 to till date.
2. **IQAC** Coordinator from April 2022 to till date
3. NSS Coordinator from **8th march 2022** to till date
4. Member for the ***Governing body member for the affiliated college, Mother Theresa Institute of Pharmaceutical Education and Research, Joharapuram , Kurnuli. (2022-24)***
5. Responsible for **NAAC accreditation** works in the year 2021-22.
6. Responsible for **ISO certification** for the Institute in the year2021
7. Responsible for **IQAC** works.
8. Responsible for **AQAR** works.
9. Responsible for achieving world ranking data in the year Feb 2021.
10. Responsible for achieving for purchase of research equipment and establishing the laboratory's under TEQIP-III.
11. Successfully conducted **BOS** as a Chairperson for **R19 & R20** regulation.
12. **UHV Coordinator** from **15th November 2020** at JNTUACEA to till date
13. **NBA Coordinator** for JNTUACEA from **12 march 2020** to till date.
14. **NBA Coordinator** at JNTUACEA from **April 2020 to till date**.
15. **Head of the Department (i/c), Chemical Engineering**, JNTUACEA, from **26th October 2016** to Feb 2022.
16. **Single point coordinator** for **NPTEL** local chapter Anantapur **2018** to till date.
17. **Coordinator** for Students induction programme (**SIP**) conducted in the month of August 5th to **31st August 2019**.
18. **Chairperson of Board of Studies** for UG courses from **2018** to till date.
19. **Coordinator for FUSION-2011, a national level students symposium**.
20. **Secretary, Teachers' Association**, JNTUA CEA, from **December 2016** to December 2019.

21. **Committee member for the activities by NSS cell JNTUA, Ananthapuramu UGC office, New Delhi on 17-03-2016.**
22. **Program officer** for NSS at JNTUCE, Anantapur from **24th March 2015** to 30th August 2017.
23. **Advisory committee member for establishment of equal opportunity cell under UGC XII plan. Dt: 16-05-2014.**
24. **Coordinator for National Aptitude Common Entrance test (NCAT-201) at JNTUACEA conducted by IIT Delhi in the year 2014.**
25. **Governing body member for the affiliated college, P.Rami Reddy memorial College of pharmacy, Nagarajpet, kadapa.(2014-15)**
26. **Governing body member for the affiliated college, Vaishnavi Institute of Technology for women, Kuntrapakam, Tirupati. (2014-15)**
27. Chairperson for the 18th National Level symposium on Environment during the **11-12 March 2013** on: Current prospective on environment protection “held in the department of Chemical Engg.
28. Committee member for Internal Promotion of Nonteaching staff, JNTUACEA; Dt: **11-07-2013.**
29. IChE students Coordinator from **21st October 2010 to October 2016.**
30. **Chaired session** at Trend setting innovations in Chemical Sciences & technology – Applications in Pharma Industry (TSCST-API 2015) under TEQIP-III, 16-18th December **2015**, Centre for chemical Sciences and technology, Institute of Science & technology, JNTUH, Hyderabad
31. **Chaired session** at international Conference on NanoScience & Engineering Applications held at centre for nanoscience & Technology, Institute of science & Technology, JNTUH, Hyderabad during **26 June-28th June 2014.**
32. **Associate NCC Officer** for 6(A) girls Bn Unit, NCC at JNTUCE, Anantapur from **Feb 03rd 2014** to till date.
33. **Treasurer** for Teachers Association from **6th November 2011 to 2013 June.**
34. **Governing body member for the affiliated college, Sri Padmavati school of Pharmacy, Chitoor.(2017-18)**
35. **Governing body member for the affiliated college, Prabhavati Institute of Computer Science, Kurnul (2017-18)**
36. **Coordinator** for Entrepreneur and development cell at JNTUCE, Anantapur from **March 25th 2013 to March 2015.**
37. **Member for Research Review Committee from 11-09-2019 to till date**

Role in Curriculum and Institution Development:

1. Governing Body member of JNTUACEA
2. Member of BOS for the Chemical Engg. department from August 2022 to

3. *Chair Person, UG Board of Studies, Chemical Engineering, JNTUA, Anantapur from March, 2017 to Feb 2022.*
4. *Member, College Academic Council, JNTUACE, Anantapur, from February, 2015 to till date.*
5. *Member/University Nominee in Governing Body of Two Private colleges from April, 2014 to till date.*
6. *Member in Antiragging committee in college*
7. *Member of NAAC Committee*
8. *Responsible for NIRF ranking in Jan, 2021.*
9. *Responsible for QS Ranking data in Jan, 2021.*
10. *Responsible for achieving DSIR data for the University.*

Conferences/Workshops Organized & Conducted one day workshop:

2022 July-2023 June:

1. **Organized National level technical symposium on 28th march 2023.**
2. **Organized International women's day on 6th march 2023 at JNTUACEA**
3. Conducted **"National Unity Day"** on **31st October 2022** at JNTUA.
4. Organized **"Clean India Campaign "drive from October 10th to October 31st 2022 from NSS CELL JNTUA.**
5. **Organized "GO GREEN INITIATIVE of Titan" on the Sustainability journey by JNTUA NSS CEL on 14th October 2022** in collaboration with Titan.
6. Conducted **Pre-Rd Parade Selection** for the NSS Volunteers on **15th October 2022** at JNTUA, NSS CELL.
7. Conducted Students Induction Program from **September 26th to October 20th 2022**
8. Conducted **Freedom Run** Programme on **14th August 2022** at JNTUA.
9. Conducted **Har Ghar Tiranga Rally** Programme on **13th August 2022** at JNTUA.
10. Attended CATC-V programme from **21st August 2022 to 26th August 2022.**
11. Conducted International Yoga Day on 21st July 2022 by Jawaharlal Nehru technological University Anantapur. Total no.of Students attended 350.

2021 July-2022 June:

1. The Women in Science & Technology Innovation CERTIFICATE OF PARTICIPATION (SHAKTI - 2022) This is to certify that Dr.S.Sharada, Associate Professor of JNTUACEA , participated in the a webinar on "The Women in Science & Technology Innovation" held in the Women Empowerment Cell, JNT University Anantapur, Anantapuramu, on **08-02-2022.**
2. Conducted national level technical symposium 2022.

2020 July-2021 June:

1. Conducted online Six days Faculty Development programme on **“laboratory and workshop Learning Skills in Conducting Practical Classes”** from **15-20 February 2021** organized by Department of Chemical Engg. JNTUACEA and Directorate of Faculty development & IQAC, JNTUA, Ananthapuramu, Andhra Pradesh.
2. Participated in one day workshop on **“NAAC awareness program on revised accreditation frame work for constituent and affiliated colleges of JNTUA”** on 20-01-2020, organized by directorate of faculty development & IQAC, JNTUA, Ananthapuramu.
3. Participated in faculty development program on **“Mathematical modeling and simulation for scientists & engineers”** organized by department of chemical Engg, JNTUA CE, Ananthapuramu during 24-02-2020 to 07-03-2020.
4. conducted one day online workshop on **“Engineering interventions to combat COVID-19 pandemic”** held on 18th July 2020 conducted by department of chemical Engg, JNTUACEA.
5. Participated in four days online faculty development programme on **“Advanced technologies in chemical industries”** organized by the department of chemical Engg, in association with IICHe-SPCET Student chapter from June 23, 2020 to June 26 2020.

2019 July-2020 June:

1. Conducted workshop on **“ Engineering Interventions to Combat Covid-19 Pandemic”** at Chemical Engineering Department on **18 June 2020**. Resoucre person- Dr.S.Sridhar, Senior Principal Scientist , PETT Dept. CSIR-IICT, Hyderabad under TEQIP-III.
2. Chair Person for AICTE Two-Week Faculty Development Program on **“Mathematical Modelling and Simulation for Scientists & Engineers”** **“24-02-2020 to 07-03-2020**.
3. Chair Person for Two Day Workshop on **“Materials for Energy Conversion & Storage Devices”** **December 27 -28, 2019** under TEQIP –III.
4. Chair Person for Three Day Workshop on **“Experimental Approaches & Instrumental Aspects in Analytical Chemistry”** **“ 6-8 February, 2019** Under TEQIP-III.
5. Chair Person & Coordinator for one day **“Recent trends in Chemical and Biochemical Engineering”** **December 30, 2019** Under TEQIP –III.
6. Co-Ordinator for the Conduction of **“Students Induction program”** at JNTUACEA from **05-08-2019 to 10-08-2019 & 19-08-2019 to 30-08-2019**.
7. Co-Ordinator for the Conduction of one-week Hands on session workshop on **“Skill Enhancement for Non-Teaching staff members”** in the department of Chemical Engg. JNTUACEA from **15-20, July 2019**.
8. **Chaired** in **“FUSION-2K19”** held on **29th march 2019** conducted at JNTUACEA College of Engineering.
9. Convenor in **“Five-day National level FDP for Educators of Environmental studies”** from **21st September to 25th September 2020**, JNTUACEA.

10. Conducted a session on **“Evolution methodologies”** by Prof.V.Sankar, Dept.of EEE, JNTUACEA on **21-08-2018**.
11. Conducted Guest lecture on **“recent trends in computational fluid dynamics”** by Sri.Danesh Nagarvali, Scientific officer in Atomic Energy Regulatory board on **13-12-2019**.
12. Conducted Guest lecture on **“Gas industry sector”** by Sri.Giri Naga Babu on **18-12-2019**.

2018 July-2019 June:

1. **Convenor of**, Two-day program on **“Waste Management”** during 13-14 Nov,2019, Department of Chemical Engineering, JNTUACEA, Anantapur.
2. Conducted Guest lecture on **“Sustained release of drug loaded liposome”** by Dr.Sujay chattopadhyay, IIT Roorke on **17-09-2018**.
3. Conducted Guest lecture on **“Course objectives, outcomes and enhancement of Student activities on 19 & 20th December 2018**.
4. Conducted Guest lecture on **“Brief applications of Chemical Engineering in the field of Spectrochemical industries”** by Muqueem Ahmmad mohammad , on **05-02-2019**.

2017 July-2018 June:

1. Chairman and convenor of two weeks AICTE FDP programme on **“Recent innovations in unit operations for pharmaceutical industries”** on 20-11-2017 to 02-12-2017.
2. Conducted Guest lecture on **“thermodynamics”** by Prof.K.Srinivasan University of western Australia on **27-01-2018**.
3. Conducted Guest lecture on **“ Application of Biochemicals in the field of Chemical Engineering”** by Dr.Khanana pakshirajan , professor department of science and biotechnology, IIT Guwahati on **07-03-2018**.
4. Guest lecture conducted on **“conservation and carrier opportunity”** by Prof.Nandini consultant foundation for revitalization of local health traditions on **08-06-2018**.

2016 July-2017 June:

1. Invited speaker & convenor for the AICTE sponsored two-week faculty development program **“recent innovations in unit operations for pharmaceutical industries”** during **20-11-2017 to 02-11-2017**.
2. **Convenor for** one-day program on **“Career awareness & opportunities in Industrial Safety”** on **17th March 2017**, Department of Chemical Engineering, JNTUACEA, Anantapur

2015 July-2016 June:

1. Conducted National level Symposium FUSION2K15

2014 July-2015 June:

2. Conducted Faculty Development Programme on Entrepreneurship during **6th July to 18th July 2015** in Association with JNTUACEA, Anantapur. Sponsored by Entrepreneur Development Institute of India Under DST-NIMAT 2014-2015.
3. Conducted “**Entrepreneurship and innovations**” A workshop and invited talk by Shankar Murali Dharan from Woxen School of Business on **10/09/2014**.
4. Conducted workshop “**Preparation of Low-cost home-made products**” by Smt.Rajyalakshmi from Karnataka on **27-01-2014, Hands on session**.
5. Organizing member of the “Self Defence training program for Girl Students” from **25th July to 21st August 2015**, organized by NSS Cell & Women Empowerment, JNT University Anantapur.
6. Coordinator, FUSION-11, A National level student’s symposium for Chemical Engineering students conducted by Department of Chemical Engineering JNTUACE, Anantapur on **17th September 2011**.
7. Coordinator, FUSION-10, A National level student’s symposium for Chemical Engineering students conducted by Department of Chemical Engineering JNTUACE, Anantapur on **17th September 2010**.
8. Coordinator for ‘Environmental Science Quiz’ conducted on **20th December 2010** for engineering students of local region of Anantapur district, Conducted by Department of Chemical Engineering, JNTUA College of Engineering.
9. *Coordinator* for National Aptitude Common Entrance Test at JNTUCE, Anantapur conducted by IIT Delhi in the year **2014**.
10. *Coordinator* for IICChE Students chapter from **21st October 2010** to October 2016.

Workshops/Courses attended:

2022 July-2023 June:

1. Workshop on Writing R & D Grant Proposal (Formulation, Defence & Implementation of a Grant Proposal) **11 th January, 2023** at IIT Tirupathi.
2. Participated awareness/ training programme under National Intellectual property awareness mission on **December 16, 2022**. Conducted by IPR, INDIA.
3. Attended : centre for skill development , entrepreneurship & incubation” on **22nd February 2023** on awareness camp BOOT camp on catalyzing startup ecosystem in HEIs an initiative of AP state council of higher education, Go AP.

4. Attended “ two days webinar on research paper writing “ on **28-12-2022 & 29-12-2022 at MEA engg college perinthal manna, kerala on Thursday 29 December 2022.**
5. Attended the virtual interactive workshop , session on “ Advancing Higher education with industry led micro- credentials on **2nd Feb 2023.** Workshop presented by **coursera.**
6. Two days online workshop will be conducted on Awareness on Quality Initiatives for Higher Educational Institutions through Research, Innovation, Startups and Entrepreneurship” (QI - HEI - RISE), during **18th & 19th Nov 2022**, which is sanctioned by NAAC, Bangalore.
7. Attended program on “ **MOTR CYCLE EXPEDITION: OUTREACH AGNIVEERON THE DIAMOND JUBLEE OF ARTILLARY CENTRE , HYDERABAD** Seminar on **23 October 2022** ,1ANO and 20 NCC Cadets.
8. Attended 5 day online international faculty development programme on “**sustainable nanotechnologies SNT -2022**” from **11-15 October 2022** , jointly organized by the department of Chemical Engg, GMR Institute of technology, Rajam, Vizianagaram, AP and NIT Warangal.
9. Attended a talk on Talk by AICTE Distinguished Chair Professor on “**Relevance of nuclear energy in achieving net zero CO2 emission**” Dr Anil Kakodkar Chancellor, Homi Bhabha National Institute, Chairman, Rajiv Gandhi Science & Technology Commission, Former Chairman, Atomic Energy Commission on **20 October 2022 (Thursday)** .
10. Attended a talk on “**Process Systems Engineering and its Applications in Chemical Engineering**” Thursday, **27th October 2022**, at 14:00 hrs. <https://rvrjcce.webex.com/rvrjcce/j.php?MTID=m782a51a904bcdeb61.fe873a42199334e> Meeting number: 25126087627 Password: 12345 (12345 from video system) by Prof. Rafiqul Gani Former Professor, Department of Chemical & Biochemical Engineering, the Technical University of Denmark
11. The first phase of training sessions (virtual) of the **TOTs** for the community development project by UNICEF is scheduled on **August 10th & 11th 2022.**
12. The virtual discussion on the [Enhancing Student Employability in the Digital-first world;](#)
Date : 26th July;2022;**Time** : 3:30 pm to 4:30 pm (IST)
Theme : Enhancing Student 'Employability in the Digital-first world' by **Team India Didactics Association.**
13. Attended a training programme on” **Characterization of materials**” on **24th Feb 2022 & 25th Feb 2022** conducted by Central institute of petrochemicals Engineering and technology, Bhawanagar.
14. National Conference on “Advancement in Green Energy Production, Environmental Hazard Reduction and its Sustainability” held during **10th & 11th June 2022** at GIET University, Gunupur.

2021 July-2022 June:

1. Attended webinar on “The Women in Science & technology Innovation” held at JNTUA by women empowerment cell, JNTUA on **08th Feb 2022.**
2. Attended Training on remote proctored exam SPOC- NPTEL on **1st June 2022** conducted by IIT madras.

3. Attended a Virtual session on: **Future of Higher Education in the 'Digital-First Economy' 12th April 2022 – Tuesday**
4. Attended a three days programme by DVR & Dr.HS MIC College of Technology, Kanchikacherla, Andhra Pradesh is Organizing A Three Day Workshop on **“Writing Effective Research Article & Structuring using Mendeley”**, from **21st to 23rd April, 2022.**
5. Attended two days national conference , conducted by the department of Chemical Engineering, School of Engineering & Technology, GIET University, Gunupur, Odisha is going to organize National Conference On **“Advancement in Green Energy Production, Environmental Hazard Reduction and its Sustainability (AGEPEHRS-2022)” 10-11 June, 2022”**
6. Participated one day programme conducted by the Women in Science & Technology Innovation CERTIFICATE OF PARTICIPATION (SHAKTI - 2022) This is to certify that Dr.S.Sharada, Associate Professor of JNTUACEA , participated in the a webinar on **“The Women in Science & Technology Innovation”** held in the Women Empowerment Cell, JNT University Anantapur, Anantapuramu, on 08-02-2022 Coordinator Registrar 8th February 2022.

2020 July- 2021 June:

1. Attended C&EN's webinar one day webinar on **“Augmented Reality as a Complement When In-Lab Is Not Possible”** on **22 June 2021**, sponsored by Agilent Technologies conducted by ACS publications.
2. Successfully completed **“Introduction to Google Doc”** an online non-credit course authorized by COURSERA project Network and offered through COURSEA on **23 June 2021.**
3. Course completion on **“frontiers in sensing: IN Vivo sensors”** of the ACS publication symposium innovation in measurement science on **JUNE 22-25, 2021, in partnership with the ACS division of Analytical Chemistry.**
4. Participated in webinar on **“new education policy”** conducted on **23rd may 2021** by Chebrolu Engineering College, Guntur, A.P.
5. participated in the three-day online workshop on **“Future of Chemical Engineering (FCE - 2021)”** by TEQIP-III, organized by the Department of Chemical Engineering, IIT (ISM) Dhanbad and IChE, Dhanabad Regional Center during **19-21 March 2021.**
6. Attended in the **“Professional Development training Programme for faculty & administrators of project Institutions of technical education Quality Improvement Programme-III”(TEQIP-III)** under the aegis of the National project Implementation Unit, Ministry of Education , Government of India, conducted online from **15th March to 17th March 2021** by Indian Institute of management Visakhapatnam.

7. Successfully completed **“Pedagogy Workshop on Teaching Thermodynamics”** conducted from **19 to 21 February 2021**, Joint initiative by TEQIP-III KITE, OCCLT (IIT Bombay) and Teaching Learning Centre (ICT) under PMMMNMTT, MoE, Govt. of India. Offered by IITBombayX an online initiative of Indian Institute of technology Bombay.
8. Certificate of Participation at **“International Education & Skill Summit- TIESS Virtual 2021** from **27-30 January 2021**.
9. Participated in **“Professional Development Training Programme for Faculty & Administrators of Project Institutions of Technical Education Quality Improvement Programme – III (TEQIP – III)”**. (Under the aegis of the National Project Implementation Unit, Ministry of Education, Government of India) conducted online from **11 January to 13 January, 2021**.
10. Participated in the **“International Education & Skill Summit- TIESS Virtual 2021”** from **27 to 30 January 2021**, World's Largest Virtual Conference for the Education & Skills Sector
11. Participated in Technical Education Quality Improvement Program (TEQIP) Knowledge Incubation in Technical Education (KITE) Centre INDIAN INSTITUTE OF TECHNOLOGY HYDERABAD online TEQIP workshop certificate on **“Cleaner Technologies for Sustainable Environment “**from **December 21 - 25, 2020**.
12. Attended one day webinar on **“Nuclear Energy- Opportunities and Challenges for Chemical Engineers”** held on **23 December 2020** conducted by National Institute of Technology Rourkela Rourkela, Odisha-769008 by Department of Chemical Engineering.
13. Participated in AICTE sponsored Short Term Training Programme on **“Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates”** from **14th to 19th December 2020**.
14. Certificate of participation on **“Awareness Webinar on Outcome based Education and Accreditation (OBE&A) “**on **25 November 2020**, organized by National Board of Accreditation, New Delhi in Association with Jawaharlal Nehru technological university, Hyderabad.
15. Participated one-week AICTE sponsored STTP on **“Nanotechnology and functional materials “**held from **14 Sep to 19 Sep 2020** organized by Department of mechanical engg., SV College of Engg., Tirupati.
16. Participated a five-day Faculty Development Program on in **“E-Content Development”** Jointly organized by IITDM Kurnool and IIIT Tiruchirappalli in association with APSCHE, Andhra Pradesh from **8th -12th September, 2020**.
17. Participated TEQIP-III Sponsored online faculty development Programme on **“Water, Energy & environment”** organized by department of Chemical Engineering, Veer Surendra Sai University of technology, Burla, Odisha from **5th- 9th September 2020**.

18. Participated in Webinar on **‘Surface Engineering of polymer membrane** “conducted by Centre of chemistry & Chemical Excellence on **9th September 2020**.
19. Attended webinar on **“Sustainable treatment options for liquid Waste management”** Conducted by Centre for Strategic Urban management, CSIR-NEERI, organized by Department of Civil Engg, PCCOE, Nigdi, Pune in Association with environmental Conservation Association, Pune on **29 Aug 2020**.
20. Participated in national webinar on **“Diet and Nutrition for lifestyle disease management during Covid 19 pandemic”** from **25-08-2020 to 27-08-2020** organized by bakery Training Unit, Directorate of Extension, University of Agricultural Science, Herbal, Bangalore, Karnataka.
21. Participated three Days National level online faculty Development Programme on **“Perspectives on the past, present and future of advanced materials”** organized by the Department of basic Sciences and R&D centre, Tintadarya College of engg. Gadag, Karnataka, from **26th to 28th Aug 2020**.
22. Attended AICTE sponsored one week online short-term training programme on **“Expanding Horizons of nanotechnology in Engineering, Medicine and Biotechnology”** organized by the Department of Chemical Engineering, Coimbatore Institute of technology, Coimbatore during **24-29th, August 2020**.
23. Participated in the national webinar on **‘Catalysis and its applications in pollution abatement- Smart Solutions’** organized by catalysis society of India, Chandigarh and TEQIP-III, Dr.SS Bhatnagar UICET, Panjab University on **28th August 2020**.
24. Participated in the TEQIP-III sponsored webinar **“Heavy crude oil Production Technologies – Practical approach”** held on **08 Aug 2020**.
25. Participated in **World soil pledge** conducted by Govt.of India on **July 30th 2020**.
26. Participated in **The AYUSH Sanjivani pledge** conducted by Govt.of India on **July 30th 2020**.
27. Participated in **Fuel conservation pledge** conducted by Govt.of India on **July 30th 2020**.
28. Participated in **Be Vocal About Local** conducted by Govt.of India on **July 30th 2020**.
29. Participated in **Narcotics control bureu** conducted by Govt.of India on **July 30th 2020**
30. Attended a five-day International Webinar on **“Climate Change Impact on water resources management and Environment”** from **15th -19th July 2020** Sponsored by TEQIP-III and in collaboration with science city of Andhra Pradesh, AU, Department of Civil Engg.
31. Participated in the webinar **“Impact of COVID-19 on the development of Rural economy- Challenges and opportunities** “on the **27th July 2020**.
32. Completing the **COVID-19 pandemic awareness Quiz 2020** Conducted by Sahrdaya College of Engineering & technology, Kodakara- Thrissur on **28 July 2020**.

33. Participated in the International Virtual conference on “**recent Advance in Organic medicinal and Biological Chemistry**”, organized by division of chemistry, school of advanced sciences, vellore Institute of technology, Chennai during **8th & 9th July 2020**.
34. Attended online activity of “**Bodhi Tree and SAFE Tools for Effective online teaching: A Hands-on Workshop**” held from **18th to 24th June 2020** organized by teaching learning centre at IIT Bombay, MHRD Govt.of India.
35. Attended Four days online FDP on “**Advance Technologies in Chemical Industries**” organized by the department of Chemical Engineering in association with IChE-SPCET student chapter from **23rd - 26 June, 2020**.
36. Attend the webinar on “**Thermo-Chemical Conversion of Plastics**” scheduled at **4.00pm (IST), 13th June 2020** conducted by Sethu Institute of Technology, Department of Chemical Engineering.
37. Attended Live online National level FDP on “**OBE & NBA ACCREDIATION**” conducted on **15 & 16 June 2020** by Engineering Staff College of INDIA, Gachibowli, Hyderabad.
38. Attended online Faculty development Programme on “**Role of Chemical Engineering in Sustainable process Development**” held from **08 June -12 June, 2020** organized by Department of Chemical Engg, Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu.

2019 July-2020 June :

1. Attended Three days online workshop on “**Second technology Enabled Learning: MOODLE Platform**” during **25th May, 2020 – 27th May, 2020** conducted by Jawaharlal Nehru Technology University., Hyderabad.
2. Attended Two Day online workshop on “**Online tools & Software for remote Teaching – Learning**” held during **24th & 25th April, 2020** organized by UGC-HRDC, JNTUH, Hyderabad, Telangana State.
3. Attended online workshop on Universal Human Values on the theme “**Inculcating Universal Human Values in Technical Education**” during **18-22 April 2020** as organized by All India Council of Technical Education.
4. Attended two days workshop on “**Waste management**” on **13 -14 October 2019** Organized by Department of Chemical Engineering, JNTUACEA under TEQIP-III.
5. Attended Three days AICTE sponsored Faculty Development Programme for **student Induction Programme** from **29 October 2019 to 31 October 2019** organized by Directorate of faculty Development & IQAC, Jawaharlal Nehru Technological University Anantapur, Ananthapuramu.
6. Attended one week FDP on “**Leadership Skills**”, during **19-24 august 2019** conducted at JNTUA College of Engineering Ananthapuramu under TEQIP-III.
7. Participated in the **NPTEL workshop** conducted on **20 July 2019** by IIT Madras .

8. Attended **AICTE** short term course at **IITM** from **June 24th to 29th June 2019** on “**Development of Chemical Engineering Thermodynamics Laboratory for Undergraduates**”.
9. Attended three days training Programme on “**Training of Teachers (TOT) for SIP** from **16-18 May, 2019** at **IIIT Gachbowli, Hyderabad**.

2018 July -2019 June:

1. Attended Gian course on “**Process Intensification**”, **7-11 January 2019**.
2. Attended **EK Bharath Shresth Bharath** camp at **Itanagar, Arunachal Pradesh** from **06 to 17 January 2020**.
3. Attended foundation Program in , “ **ICT for Education- IIT Bombay- FDP 101X**”, from **13-27 October 2018** for “Short term course for two weeks.
4. Attended Pedagogy for, “**Online and Blended teaching – learning process IIT Bombay FDP 201X**”, from **October 28th-January 7th 2019**.
5. **Chaired** the session in **FUSION-2K19** held on **29th March-2019** conducted at **JNTUACEA , Ananthapuramu**.

2017 July-2018 June:

1. Participated in the national Training programme on “**Creativity and innovation Management in Research**” under the National Programme for training of scientist and technologies working in Government sector, Ministry of Science & Technology, by Department of Science & Technology (DST) **12-16 March 2018**, **Hyderabad**.
2. Participated in the FDP on “**Big Data Analysis**” held from **20 - 22 Feb 2017** at **JNTUA college of Engg**.
3. Two Day Workshop on “**Pedagogical Skills for Outcome based Education**” **16-17, November 2018** **JNTUACEA**
4. One Week Faculty Development Program (FDP) on “**Reinforcing Professional Communication Skills for Teaching Faculty**” (Under TEQIP-III) **11-15, June, 2018**.

2016 July -2017 June:

1. Attended Short term training program on “**Sustainable Waste Management** “during **06-09 march, 2017** (Under TEQIP) organized by Department of Chemical Engineering, **S.V.University college of Engineering, Tirupati**.
2. Participated one day workshop on “**Role of chemical engineers in Electrochemical Industries**” Organized by Chemical Engineering Department, **JNTUACEA, Ananthapuramu** on **27th march 2017**.

3. Participated in the **National women's parliament** and being a part of the Network of ALL-round and spirited Women of India from **10-02-2017 to 12-02-2017** at Vijayawada, Andhra Pradesh.

2015 July -2016 June:

1. Participated one day workshop on **"Role of Women in Engineering Education through IEE"** on **19th September, 2015** at JNTUA college of Engineering, Anantapur.
2. Participated one day Workshop on **"Human Values and Professional Ethics "titled, "Engineering Inner Excellence",** on **5th July, 2014** at Auditorium, JNTUA college of Engineering, Ananthapuramu.
3. Workshop on **"Computer Solution Tools in Engineering and Academic Research"** on **27th June, 2014** under TEQIP-II. Organized by Department of Chemical Engineering, University College of Engineering, Osmania University, Hyderabad.
4. AICTE sponsored short term course on **"Statics for Experimentalists"** organized by Department of Chemical Engineering from **17th to 29th march, 2014 at IIT madras.**
5. Faculty Development workshop on **"Chemical process modelling and simulation"** from **june 10th to june 15th 2014,** organized by Department of Chemical Engineering, Amrita Vishwavidyapeetham, Coimbatore in association with Indian Institute of Chemical Engineers.
5. One Day Workshop on **"Personality Development Programme"** on **19th November, 2011** organized by Department of Civil Engineering, JNTU College of Engineering, Anantapur, Andhra Pradesh, Sponsored by UGC, New Delhi.
6. UGC Sponsored 21st Orientation Course conducted by JNTU Hyderabad from **20-06-2011 to 16-07-2011.**
7. UGC Sponsored Refresher Course on **"Biotechnology and Bioinformatics"** , organized by JNTU Hyderabad from **16-05-2011 to 04-06-2011.**
8. Workshop on Design And modelling of heterogeneous Chemical Reactors (Under TEQIP) by University College of Technology, Osmania University Hyderabad on **22&23 September 2006.**
9. HRD Workhop on **"Effective Governance through Institutional Leadership"** held on **28th&29th April 2006** at JNTU College of Engineering, Anantapur. Sponsored by TEQIP.
10. Attended **"Adventure Camp"** at Atal bihari vajpayeInstitute, Manali, Himachalpradesh from **4th October to 13th October 2015.**

REVIEWED OF THE JOURNALS

1. Iranian Journal of Chemistry and Chemical Engineering Certificate of For participating as a reviewer of 1 submissions during 2021 in the peer review process for Iranian Journal of Chemistry and Chemical Engineering.
2. Iranian Journal of Chemistry and Chemical Engineering Certificate of For For participating as a reviewer of 4 submissions during 2019 in the peer review process for Iranian Journal of Chemistry and Chemical Engineering.
3. Iranian Journal of Chemistry and Chemical Engineering Certificate of For participating as a reviewer of 1 submissions during 2023 in the peer review process for Iranian Journal of Chemistry and Chemical Engineering.
4. Iranian Journal of Chemistry and Chemical Engineering Certificate of Reviewing in For participating as a reviewer of 4 submissions during 2022 in the peer review process for Iranian Journal of Chemistry and Chemical Engineering
5. Iranian Journal of Chemistry and Chemical Engineering Certificate of Reviewing in For participating as a reviewer of 4 submissions during 2020 in the peer review process for Iranian Journal of Chemistry and Chemical Engineering.
6. Iranian Journal of Chemistry and Chemical Engineering (IJCCE) on manuscript Title: **Synthesis and characterization of iron-phosphonate nanoparticle and application it's in the Biginelli condensation reaction**; Manuscript ID: IJCCE-3786.
7. Iranian Journal of Chemistry and Chemical Engineering (IJCCE) on manuscript Title: **The catalytic activity of AC (PH-800) as catalyst in the Removal of oxytetracycline antibiotic from wastewater**; Manuscript ID: IJCCE- 3817.
8. Iranian Journal of Chemistry and Chemical Engineering (IJCCE) on manuscript Title: **Experimental and optimization studies for the adsorption of dyes from synthetic waste water on the biomass of Prosopis cineraria**; Manuscript ID: IJCCE- 3824.
9. Iranian Journal of Chemistry and Chemical Engineering (IJCCE) on manuscript Title: **Equilibrium, mechanism and mass transfer studies of nickel(II) adsorption by sewage sludge-derived activated carbon**; Manuscript ID: IJCCE- 3826.
10. Material Science Research India on manuscript Title: **"Impurities and homogeneous crystal nucleation in aqueous solutions - An overview "**.
11. Material Science Research India on manuscript Title: **"Short Review on Green Silver Nanoparticles and its bioactivities"**.

Conference attended:

1. Presented paper on “treatment of dairy waste water by electocoagulation technique” in an International Conference on Advances in smart materials, chemical & biochemical engineering (CHEMSTART-2023) organized by the department of Chemical Engg , NIT Rorukela , **December 16-18 , 2022.**
2. ICN e-Conference on "Driving Operational Excellence through Digital Transformation in the Chemical Industry” to be held on **September 29, 2022** from 2:30 PM - 4:00 PM IST.
3. How can teacher educators encourage teachers to engage with research? On **6th September 2022** by British council.
4. Indian Chemical News, an online news media covering chemical and petrochemical sector is organizing an E-conference titled '[Blending Optimization for Cement Industry](#)' on Tuesday, **September 06, 2022.**
5. Presented a paper on “Synthesis of Performic acid in a Continuous Microreactor” in the Chemcon 2020 held during **December, 27-29, 2020** organized by IChE Headquarters and Hyderabad Regional Centre.
6. Presented a paper on “Performic acid Synthesis in a Microreactor using Amberlyst as catalyst” in the National Conferences on Advances in Chemistry and Chemical Engineering held during **January, 28 to 29, 2021** organized by Department of Chemistry, JNTUH College of Engineering, Kukatpally, Hyderabad.
7. Presented a paper on “performic acid synthesis in a Teflon tube micro reactor” in the national conference on current and emerging process technologies held on **February 20 2021** organized by Department of food technology, Kongu engineering college, Erode, Tamilnadu.
8. Presented a paper on “comparative study synthesis of performic acid in a microreactor and batch reactor using amberlite catalyst” in the 36th national convention of chemical engineers and national conference on frontier technologies for 21st century’s process industries held on **6th and 7th march 2021** organized by the institution of engineers India and NIT Durgapur.
9. Presented a paper on “comparative investigation on performic acid synthesis in a micro reactor and batch reactor using amberlyst catalyst” in the national conference on “sustainable environment challenges and opportunities” organized by centre for continuing education Dr B.R. Ambedkar NIT Jalandhar from **September 8-9, 2021.**
10. Presented a paper on “synthesis of perbutyric acid in a continuous microreactor” in the international conference RICBE – 2k21 jointly organized by the Department of chemical Engineering and Biosciences RGUKT Nuzvid in association with IChE – ARC during 16th to **18th September 2021** held at RGUKT Nuzvid, Andhra Pradesh, India.
11. **Attended Three-day International conference, TIESS - The World's Largest Virtual Conference for the Education and Skill Sector** from 27-01-2021 to 30-01-2021.
- 12.

13. Attended and presented a paper in the 6TH International Conference on Research & Developments Organized by International Institute of Research in Multidisciplinary DATE: Paper Title: **SOLVENT RECOVERY IN PHARMACEUTICAL INDUSTRY BY RBC, RB AND FFE METHOD USING VENTURI SCRUBBER SYSTEM** Author(s): **B. VEERESH, Er. SIVA RAMYA SANAM, Dr. S. SHARADA Prof. M. Sivudu Dr. S.SHAMSHATH BEGU** GENERAL CHAIR SESSION CHAIR IIRM-SDT EXPLORE::<https://www.iirmsdt.org/> ISBN-13:979-8-7815-7211-3 Google Meet Link: <https://meet.google.com/wvr> .
14. The Paper titled "**Green synthesis of silicon dioxide nanoparticles using "DESMOSTACHYA BIPINNITA"**" Authored by **S Sharada, S Abdul Rehaman** under Nano Science and Technology theme was presented at the 74th Annual Session of Indian Institute of Chemical Engineers (CHEMCON-2021) held in Hybrid mode from **26th - 30th December 2021** at CSIR - Institute of Minerals and Materials Technology, Bhubaneswar, India.
15. Presented a paper on the title " Green synthesis of silicon dioxide nanoparticles using "DESMOSTACHYA BIPINNITA" under theme: Nano Science and Technology CHEMCON on 26th -30th December 2021.
16. Presented a paper on "Degradation of Dye by using Microorganism" in National Conference SCHEMICON 2013 19th Annual session of student's chemical Engineering Congress held at MVGR College of Engineering Vizianagaram 14th & 15th September 2013.

Conference chairing:

1. **Chairperson** For the 18th national symposium on Environment during 11-12 **march 2013** on "CURRENT PERSPECTIVE ON ENVIRONMENT PROTECTION" held in the Department of Chemical Engineering.

Achievements:

1. Successfully completed "**Introduction to Google Docs**". Online non-credit course authorized by coursera project network on 23 june 2021.
2. Successfully completed "**Pedagogy workshop on Teaching Thermodynamics**" IIT BombayX- PWME209X- 19-21**Feb 2021**.
3. Certificate of achievement for successfully completing " Augmented reality as a complement when-in lan is not possible" on 22 June 2021.
4. Successfully completed "**Pedagogy for online and blended teaching –learning process**" IIT BombayX- PWME209X- **7th Jan 2019**.
5. Successfully completed "**Foundation program in ICT for Education**" IIT BombayX- PWME209X- **27 Oct 2018**.

6. Successfully completed course on “ **ACCREDITATION FOR UNDERGRADUATE ENGINEERING PROGRAMMES**” **January to March 2021** with the consolidated score of 71% in the proctored examination held on 28.08.2021
7. Certificate of Appreciation is awarded for instrumental role as **SPOC** for the **SWAYAM-NPTEL Local chapter JNTUACEA**, rated **Grade A**” based on performance in NPTEL online certification courses form Jan-Dec 2020.
8. Certificate of appreciation in **TI Embedded system Design Using MSP430™ MCU MOOC** for fostering the Ecosystem bridging Government Academia and Industry, **December 2020**.
9. Certificate on “ The Bodhe Tree and SFAE tools for effective online teaching : A HANDS - ON-Workshop held from 18 to 24 June 2020 completed a one day equivalent online workshop video lectures , organised by the Teaching learning Centre (ICT) Bombay at IIT Bombay, funded by the Pandit madan Mohan malaviya National Mission on teachers and Teaching (PMMMNMTT), MHRD, Govt, of India.
10. Certificate of appreciation participated in Online Quiz on “**THE ART OF QUESTIONING ON REVISED BLOOM’S TAXONOMY**” and successfully completed the quiz organized by Department of BASIC SCIENCES AND HUMANITIES, BVRIT held from **24th to 30th June 2020**.
11. NPTEL online Certification course awarded for passing the course “**Designing Learner-Centric Moocs**” with **score 74%; Jan-Feb 2020**.
12. Certificate of Appreciation successfully completed online **Faculty Awareness Programme on NBA** on **01 June 2020**, with a passing score of 100% organized by Department of Electronics & Telecommunication Engineering, Dr. D. Y. Patil School of Engineering & Technology, Pune.
13. Acknowledgement of completion of the training “**COVID-19**” for NCC cadets on **27th April 2020** conducted by Department of Personnel & Training, Govt. of India.
14. NPTEL **Certificate of Appreciation** as a role as **SPOC** for the **SWAYAM-NPTEL** local chapter, **Jan-Apr, 2019**.
15. IAB Blind empowerment championship **2017 “Gold Zone Award”** on 19th February 2017 in Madurai in recognition for outstanding excellence & amazing commitment towards voluntary contribution for the empowerment of persons with visual challenges from NCC Unit.
16. IAB Blind empowerment championship **2016 “Silver Zone Award”** on 19th February **2016** in Madurai in recognition of voluntary contribution for the empowerment of persons with visual challenges from NCC Unit.
17. **Best NSS programme officer** of JNTUA University for the year **2015-16** at state level.
18. Best **Innovative Professional award** in contribution in the field of Engineering & Technology management Science, **28th August, 2016**.

Development of E-learning delivery process/material:

S.N o.	Title of the e- learning	Month and Year of development	Organizati on where	Scor e
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	module developed		the developed module is being used	
1.	Open education resource module in “Chemical Engineering Thermodynamics	19 December, 2018 https://wordpress.com/view/sharada186708.wordpress.com ; https://www.youtube.com/watch?v=R2I2oBI3NCA&t=194s	JNTUACEA	10
2.	LbD & LeD activity	2018-19 https://shanigarapusharada.moodlecloud.com/	JNTUACEA	10
3	Created one OER	https://www.youtube.com/watch?v=2ysttUhZukw	JNTUACEA	10
4	Modules developed in Moodle Cloud	https://shanigarapusharada.moodlecloud.com/	JNTUACEA	10
5	Developed “ course journal ”	https://sharada186708.files.wordpress.com/2018/10/course-journal-shanigarapu-sharada.pdf	JNTUACEA	10
6	Created activity: LeD, LbD activity, Quiz, , Screen Casting	https://wordpress.com/view/sharada186708.wordpress.com	JNTUACEA	10

PhD Guiding/ Guided:

S.No	Title of M.Tech Dissertation	Year	Admission number	University / College
1.		2013	.....	JNTUACE, Anantapur

2.	Effect of processing on Nutraceutical, functional and Rheological Properties of Minor millets	-	Tatapudi P P Robert: 19PH1201	JNTUACE, Anantapur
3.		2022	Mrs.D.Sowjanya: 22	

M.Tech Dissertations Guided:

S.No	Title of M.Tech Dissertation	Year	Admission number	University / College
4.	RTD studies in Co-current Gas-Liquid up flow packed bed reactor with random packing	2011	.....	JNTUACE, Anantapur
5.	Kinetic studies on hydrogenation of xylose to Xylitol	2011	.....	JNTUACE, Anantapur
6.	Study on recovery of chlorine from by-product hydrochloric acid by electro Dialysis using anion exchange membrane	2011	.....	JNTUACE, Anantapur
7.	Synthesis and Characterization of Silver Nanoparticles by using VitisVinifera and	2012-2014	.....

	citrus Limetta and anti microbacterial activity			
8.	Synthesis and Characterization of Silver Nanoparticles by using Mulberry leaves Extract and study of their antibacterial activity	2012-2014	.....	JNTUACE, Anantapur
9.	Synthesis of Zinc oxide NanoParticles using CassaDensistipulata Taub	2012-2014	.....	JNTUACE, Anantapur
10.	Design and working principle of digital hearing aids by Micro fabrication	2013-2015.	G SAI KUMAR	Bangalore
11.	Synthesis of ZnO particles coated fibre glass cartridge in treatment of waste water	2013-15.	Srikkanth	JNTUACE, Anantapur
12.	Synthesis of Zinc Nanoparticles and Its Application in Treatment of Municipal Water of Anantapur	2014-15	Santosh	JNTUACE, Anantapur
13.	Removal of Arsenic from ground water by using filtration technique	2016-18	V.Mukesh Kumar 16001D8218)	
14.	Synthesis of Nanoparticles for dye removal	2015-17	.....	JNTUACE, Anantapur
15.	Synthesis of Nanoparticles in a continuous microreactor	2015-17	K LAVANYA (15001D8101)	JNTUACE, Anantapur
16.	Treatment of Ground water by using phytoremediation technique at Anantapur, A.P	2017-18	16001D8204 P.S.Niveditha	JNTUACE, Anantapur
17.	Removal of Fluoride from ground water using low cost adsorbent	2017-18	16001D8211 Y.Pavani	JNTUACE, Anantapur

18.	Leaf extract mediated green synthesis of silver nanoparticles from banana, neem, black tulsi and their characteristics	2017-18	16001D8105 D.Shabber	JNTUACE, Anantapur
19.	Green Synthesis of nickel nano particles from extract of corindrumsativum leaves along with comparative analysis using chemical reduction method	2017-18	16001D8107 K.Aparna	JNTUACE, Anantapur
20.		2019	Sateesh	JNTUACE, Anantapur
21.	Life cycle assessment of second-generation Ethanol using Rice straw	2017-19	17001D8220 M.Kavya	NEERI, Pune
22.	Spatial variations in drinking water quality parameters of kadapa district and analysis of water quality index	2017-19	17001D8222 A.Nagarjuna	JNTUACE, Anantapur
23.	Purification domestic water in a continuous microreactor in green synthesis route	2019-20	17001D8220	JNTUACE
24.	Synthesis of silver nanoparticles and reducing agent as moringa leaves in microreactor	2019-20	17001D8222	JNTUACEA
25.	DEFLUORIDATION OF WATER BY ACTIVATED CARBON PREPARED FROM HERBAL PLANTS	2019-2020	19001D8216 S.Surekha	JNTUACEA
26.	Solvent recovery in pharmaceutical industry by RBC, RB and FFS methods using venturi scrubber system	2019-2020	19001D8215 B.Veeresh	JNTUACEA NEERI
27.	GREEN SYNTHESIS OF SILICON DIOXIDE NANOPARTICLES USING “DESMOSTACHYA BIPINNITA”	2019-2020	Abdul	JNTUACEA

28.	Treatment of Dairy waste water by Electrocoagulation process	2020-2022	S.Firoz 20001D8213	JNTUACEA
29.		2020-2022	D.Susendra 20001D8210	JNTUACEA
30.		2020-2022	G.Tirumallesh 20001D8221	JNTUACEA
31.		2020-2022	K.Murali 20001D8226	JNTUACEA
32.				

B.Tech Dissertations Guided:

S.No	Title of M.Tech Dissertation	Year	Admission number	University / College
1.	Study on air and water monitoring at national thermal power corporation Ramagundam	2001-2005	.....	JNTUACE, Anantapur
2.	Production of bio diesel using MAHUA oil	2007-2011	.....	JNTUACE, Anantapur
3.	Adsorptive removal of phenol by using Fly ash and guava leaves	2007-2011.	.....	JNTUACE
4.	Salt effect on vapour-Liquid Equilibrium for the binary system methanol and ethyl acetate	2007-2011	.....	JNTUACE

5.	Drying Behaviour of Green Beans	2008-2012	.....	JNTUACE
6.	Extraction of essential oil from lemon grass using steam distillation	2008-2012	.....	JNTUACE
7.	Study of pyrolysis Clinker Cooler	2010-2014	.....	JNTUACE
8.	Studies on centrifugal pumps in series and parallel operation to obtain performance curves using MATLAB	2010-2014	.....	JNTUACE
9.	Use of Different types of oils for soap preparation and analyze its properties	2010-2014	.....	JNTUACE
10.	Studies on Aerobic biodgradation of Vinegar in Industrial waste by mixed culture bacteria	2010-2014	.....	JNTUACE
11.	Evaluation of removal efficiency of Ni(II) from aqueous solution by using natural adsorbents	2010-2014	.....	JNTUACE
12.	Aerobic biodegradation of industrial vinegar effluents containing acetic acid by mixed		.....	JNTUACE
13.	Experimental Study on Measuring Diffusion Coefficients of various Organic Solvents and Solids	2011-2015	.....	JNTUACE
14.	Treatment of effluent from granite cutting plant by using natural adsorbents like rice husk carbon and saw dust carbon	2011-2015	.....	JNTUACE
15.	Production of Bio Diesel from Crude Neem Oil	2012-2016	.....	JNTUACE

16.	Production of Biogas from Kitchen waste	2012-2016	JNTUACE
17.	Adsorption of toxicants (Chromium, iron and oxalic acid) using activated carbon prepared from tamarind seeds	2012-2016	JNTUACE
18.	Synthesis of Transition metal (Ag) Nanoparticles in a continuous micro reactor	2013-17	JNTUACE
19.	Synthesis of Biodiesel in a continuous micro reactor	2013-2017	JNTUACE
20.	Removal of Cadmium from Aqueous solution using sawdust	2014-2018	14001A0830	JNTUACE
			14001A0849	
			14001A0834	
			15005A0806	
21.	Removal of Copper (II) from synthetic waste water using natural adsorbents		14001A0815	
			14001A0819	
			14001A0827	
			14001A0859	
22.	Study of optimization of reaction parameters of biodiesel yield applying central composite design	2015-2019	15001A0806	JNTUACE
			15001A0818	
			15001A0835	
			15001A0842	
23.	Conversion and Comparison of Cellulose present in Rice Straw and Ground nut shell	2016-2020	16001A0855	JNTUACEA
			16001A0815	
			16001A0819	
			16001A0821	
24.	Purification of waste water using Moringaoleifera seeds as a natural adsorbent		16001A0811	
			16001A0803	
			16001A0802	
			17005A0810	
25.	Synthesis of Iron nanoparticles using Moringa Olifera leaf extract		16001A0830	
			16001A0814	
			16001A0849	
			17005A0806	

26.	Design & Simulation of Shell & Tube Heat Exchanger	2017-2021	17001A0820	JNTUACE
			17001A0830	
			17001A0811	
			18005A0809	
27.	Production of Biodiesel using Dairy Waste scum	2018-2022	18001A0842	JNTUACE
			18001A0855	
			18001A0839	
			18001A0838	
			19005A0804	

INTERESTED RESEARCH AREAS

1. Process Intensification
2. Material Science
3. Fluid flow behavior
4. Environmental & Energy Engineering
5. Synthesis & Applications of Nano particles

SUBJECTS TAUGHT

❖ UG Level

❖ B. Tech (Chemical Engineering)

1. Chemical Engineering Thermodynamics –I
2. Chemical Engineering Thermodynamics –II
3. Transport Phenomena
4. Fluid Mechanics
5. Heat transfer laboratory

❖ PG Level

M.Tech (Nanotechnology Technology)

1. Solar Energy and Harvesting
2. Synthesis and applications of Nanomaterials
3. Research Methodology
4. Carbon Nanotubes and applications

M.Tech (Environmental Engg.)

1. Principles of Chemical Engineering
2. Process Engineering Principles
3. Environmental Pollution Control Lab

LABORATORIES HANDLED

❖ **UG Level**

❖ **B.Tech (Chemical Engineering)**

1. Fluid Mechanics
2. Mechanical Unit Operations
3. Heat transfer Laboratory
4. Mass Transfer Operation Laboratory
5. Process Dynamics and Control laboratory