

CURRICULUM VITAE

Peddintaiah Katuri

S/o: Srinivasa Rao

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CAREER OBJECTIVE:

To seek a challenging environment that encourages continuous learning and creativity which provides an exposure to new ideas, that accomplishes personal and professional growth.

EDUCATIONAL DETAILS:

Academic Qualification	Duration	Institution	University	% Marks Obtained
Ph.D (Chemical Engineering)	Registered 2016	J N T University, Anantapur	JNTU	--
M.Tech (Industrial Pollution Control Engineering)	2011-2014	Andhra university college of Engineering (A) Visakhapatnam.	Andhra university	CGPA- 7.9
B. Tech (CHEMICAL)	2006-2010	Bapatla Engineering college, Bapatla.	Acharya Nagarjuna University	64.95
Intermediate (M.P.C)	2000-2002	P.K.R. Jr College ,Karlapalem	Board of Intermediate Education	78
S.S.C	1999-2000	Z.P.H. School, Chinthayapalem	Board of Secondary Education	73.5

PROJECTS:

M.Tech: Biodegradation of Malachite Green dye by using Escherichia Coli.

Description: Studies on degrading capability of E.Coli strain MTCC: 119 on different textile dyes.

B. Tech: Manufacturing of naphthalene by Hydeal process.

Description: Naphthalene (C₁₀ H₈) may be produced from petroleum fractions at high temperature and pressure in the presence of Hydrogen either with or without catalyst. By using this process Naphthalene produced is usually 99 percent pure and has low sulfur content.

B. TECH COURSES HANDLED:

- ❖ Fluid Mechanics
- ❖ Thermodynamics
- ❖ Environmental Studies
- ❖ Energy engineering
- ❖ Separation techniques for misprocessing
- ❖ Technology of pharmaceuticals and fine chemicals
- ❖ Industrial Engg & management
- ❖ Industrial safety & Hazard management
- ❖ Chemical technology

B.TECH PROJECTS HANDLED:

- ❖ synthesis of perbutyric acid by using continuous Micro reactor in the academic year 2020-21

M.TECH COURSES HANDLED:

- ❖ Environmental Impact Assessment
- ❖ Transportation of water and waste water
- ❖ Environmental policies and legislation

LABS HANDLED:

- ❖ Mechanical Unit Operations Lab
- ❖ Process dynamics and control lab
- ❖ Energy and environmental engineering lab
- ❖ Environmental pollution monitoring lab
- ❖ Process heat transfer lab
- ❖ Environmental pollution control lab

ACADEMIC ACHIEVEMENTS:

- A member of IICHE student chapter
- Active participant in departmental activities.
- Acted as school pupil leader during 10th class.

SEMINARS:

1. Participated in National Workshop on **Recent Trends in Chemical Engineering and Biochemical Engineering** 31st January 2012 at the Department of Chemical Engineering, AU College of Engineering, Andhra University, Visakhapatnam.
2. Participated in National Workshop on **Recent Trends in Exploitation of conventional energy sources** 1st July 2013 at the Department of Chemical Engineering, AU College of Engineering, Andhra University, Visakhapatnam.
3. Participated in Two National Workshop on **Recent Advances in Process control** 3rd & 4th January 2014 at the Department of Chemical Engineering, AU College of Engineering, Andhra University, Visakhapatnam.
4. Participated in Two day National Workshop on **Human values and professional Ethics** 7th & 8th November 2014 at the JNTUA College of Engineering (A), Pulivendula, Kadapa.
5. Participated in one day workshop on One day **Intensive Hands on Training Program on Fundamentals and Usage of X-ray Diffraction (XRD)** held on 24th September 2016 at the Department of Chemical Engineering, JNTU College of Engineering, JNTUA, Ananthapuramu.
6. Participated in one day workshop on **Career Awareness and Opportunities in Industrial Safety** held on 17th march 2017 at the Department of Chemical Engineering, JNTU College of Engineering, JNTUA, Ananthapuramu.
7. Participated in one day workshop on **Role of Chemical Engineers in Electrochemical Industries** held on 27th march 2017 at the Department of Chemical Engineering, JNTU College of Engineering, JNTUA, Ananthapuramu.
8. Participated in one day workshop on **21st century Teaching Strategies** on 16th September, 2017 held at college Auditorium, JNTU College of Engineering, Ananthapuramu.

9. Participated in National Level Students Technical Symposium, efforts and constant support for **Fusion 2K18** conference held on 27th 28th march 2018 at the Department of Chemical Engineering, JNTU College of Engineering, JNTUA, Ananthapuramu.
10. Participated in a One -Week Faculty Development Program on “ **Reinforcing Professional Communication Skills for Teaching Faculty** ” Organized by the Department of Humanities and Social Sciences, JNTUACE Ananthapuramu during 11-06-2018 to -15-06-2018.
11. Participated in three day workshop on “**experimental approaches & instrumental aspects in analytical chemistry**” organized by Chemical Engineering Department, JNTUA college of Engineering, Ananthapuramu under TEQUIP-III FROM 6th to 8th February 2019.
12. Participated in one day workshop on “**Awareness on career growth prospects for Reliability Engineering Professionals with Industry Collaborations**” organized under TEQUIP-III on 21st June, 2019, at Department of EEE, JNTUACEA.
13. Participated as an organizing member in one week hands on training program on “**Skill enhancement for non teaching staff**” held at Department of Chemical Engineering, JNTUA college of Engineering, Ananthapuramu from 15-07-2019 to 20-07-2019.
14. Participated in one day workshop on “**Awareness on OBE for preparation and applying to NAAC**” organized under TEQUIP-III on 11th November, 2019, at department of electrical engineering, Ananthapuramu.
15. Participated in one day workshop on “**Waste management**” organized by Chemical Engineering Department, JNTUA College of engineering, Ananthapuramu under TEQUIP-III program from 13th to 14th November 2019.
16. Participated in two day national workshop on “**Digital pedagogy for effective teaching and learning**” sponsored by TEQUIP-III at JNTUACE, Ananthapuramu, held on 23rd & 24th November, 2019.
17. Participated in three day international conference on “**System automation, reliability, quality control, safety, maintenance & management**” during 11th to 13th December, 2019, at college auditorium, JNTUACEA.
18. Participated in one day workshop on “**Materials for energy conversion and storage devices**” organized by Department of Chemical Engineering, JNTUA college of Engineering, Ananthapuramu under TEQUIP-III from 27th to 28th December 2019.

19. Participated in one day workshop on “**Recent trends in chemical and biochemical Engg**” organized by department of chemical engineering, JNTUA college of Engineering, Ananthapuramu under TEQUIP-III from 30th December 2019.
20. 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.
21. 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.
22. Participated in online quiz on “**American literature**” organized by PG and research department of English, Bharathidasan College of arts and science held on 20th to 23rd august 2020 and scored 93%.
23. Participated in online quiz on “**vaccines and immunization**” organized by seven hills college of pharmacy, Tirupati, held on 18th August 2020.
24. Participated in one day online workshop on “**Engineering interventions to combat COVID-19 pandemic**” held on 18th July 2020 conducted by department of chemical Engg, JNTUACEA.
25. Participated in four days online faculty development programme on “**Advanced technologies in chemical industries**” organized by the department of chemical Engg, in association with IChE-SPCET Student chapter from June 23, 2020 to June 26 2020.

Conferences:

1. 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.
2. Presented a paper on “A Review on particle segregation and mixing in a circulating fluidized Bed “National Conference on Pollution Control Strategies in Chemical and Related Industries (PCSCRI-2017) held during 10th -11th March, 2017. Organized by Department of chemical Engineering, S.V.University College of Engineering, Tirupati.
3. 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.
4. 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.

5. 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.

6. 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.

7. 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.

8. 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

Papers published:

1. “**Corrosion behavior of iron sample exposed to local river water**” published in International journal of Innovative Science, Engineering and Technology, vol 3 issue 1, Jan 2016.

2. “**A Theoretical study on Di Methyl Ether: An Alternative fuel for future generations**” published in International Research journal of Engineering and Technology, Vol 3 Issue 1, Jan 2016.

3. Published a Paper on “**synthesis of performic acid using heterogeneous catalyst in a batch reactor**” in the journal of GIS, volume 9, issue 5, 2022, ISSN no 1869-9391.

4. 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>

5. 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>

Experience:

1. Teaching experience in JNTUACEP as an adhoc lecturer from July 2014 to May 2015.

2. From July 2015 to July 2016 as an Assistant Professor in Sreenivasa College of engineering

and technology, Kurnool.

3. From July 2016 to till date as an Assistant Professor on Adhoc Basis in JNTUACE Anantapuramu.

PERSONAL PROFILE:

Name	: Katuri Peddintaiah
Father's Name	: Katuri Srinivasa Rao
Date of Birth	: 24 th -August -1985
Gender	: Male
Native place	: karlapalem
Nationality	: Indian
Languages known	: English, Telugu & Hindi.
Hobbies	: Listening music, Reading books

REFERENCES:

Dr.T. Balanarasaiah

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Department of Chemical Engineering
JNTUA College of Engineering
Ananthapuramu
Contact No: 9440245965

Dr. S.V. Satyanarayana

professor
Dept. of Chemical Engineering
JNTUA College of Engineering
Ananthapuramu
Contact No: 9849509167

DECLARATION:

I hereby declare that the particulars provided are true to the best of my knowledge and belief.

Place: Karlapalem
Date:

(Katuri Peddintaiah)