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**SRI VENKATESWARA UNIVERSITY :: TIRUPATI**

**Rmation PROFILE**

Name : Dr.P.Akhila Swathanthra 

Address(Official) : Associate Professor,

Chemical Engineering, SVU College of Engineering,

SVU, Tirupati

Address (Residential) :PF No. 04, Hill view Residency, GO’s Colony,

Garuda Back Side, Perur, Tirupati

Ph.No.9492549980

**Mail.ID**: drpakhila@gmail.com,akhilasweety9@gmail.com

Designation : Associate Professor

Department : Chemical Engineering

Date of Birth : 10-04-1980

PAN Number : : ATDPP0920A

Date of Appointment

1. in the institution : 13.07.2007
2. in the present post : 27.04.2020Associate Professor

Educational qualifications:

|  |  |  |  |
| --- | --- | --- | --- |
| **Qualification** | **Specialization** | **College/University** | **Year of passing** |
| Ph. D | Chemical Engineering | Osmania University, Hyderabad | 2012 |
| M. Tech | Chemical Engineering | JNTU, Ananthapur | 2005 |
| B. Tech | Chemical Engineering | SRTIST, Nalgonda  JNTU, Hyderabad | 2002 |

**Ph.D:**

**Research Title**: Treatment of Electro plating Industrial Effluents by using low cost adsorbents

**Guide:** Prof V.V. Basava Rao, OUCT, Hyderabad.

* Full time Scholar for Ph.D: (1) P.Sreedhar : Awarded on 09.06.2022
* Part time Scholar for Ph.D (1) M.Murali Naik : Synopsys and Thesis submitted on 08.07.2022

**Research Projects: Submitted to AICTE**

**PROFESSIONAL EXPERIENCE: (18 years)**

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| --- | --- | --- | --- |
| **Institute** | **Position** | **From** | **To** |
| **SVUCE,SVU** | **Asso.Prof** | **27.04.2020** | **Till date** |
| **SVUCE,SVU** | **Asst. Prof** | **13-07-2007** | **26.04.2020** |
| **St. Stanly College of Engineering** | **Asst. Prof** | **16-12-2006** | **11-07-2007** |
| **SRTIST, Nalgonda** | **Asst. Prof** | **18-07-2005** | **15-12-2006** |

**Contribution:**

|  |  |  |
| --- | --- | --- |
|  | 2018 | Member of industry consultation committee |
|  | From 2013 to still continue | Executive Member in SVU Teacher’s Association, SVU, Tirupati |
|  | 2017-18 | Member of BOS in Chemical Engineering, JNTU  Ananthapur16th and 17th June 2017 |
| 4 | 2014-15 till now and  2018-19 | Member of BOS in Chemical Engineering, JNTU Hyderabad  22nd -23rd December 2014 and 18th -19th June,2018 |
| 5 | 29-12-2013 to till date | Member of BOS in Chemical Engineering, SVUCE, SVU, Tirupati |
| 6 | 13-10-2008 to 22-7-2009,  09-02-2011 to01-09-2017 | Additional Chief Superintendent, SVUCE, SVU, Tirupati |
| 7 | 19-2-2016 to17-12-2018 | Taken charge as Head of the Department |
| 8 | 15-12-2020 to | Hostel warden |
| 9 | 24.9.2020 to | NAD Coordinator |
| 10 | 06-04-2022 to | Taken charge as Head of the Department |

**M. Tech Projects guided (23)**

1. Studies on Removal of Chromium from Aqueous Solution by Solid waste Murali Naik

1108101 in Dec 2010

2. CFD Simulation of a fixed bed Reactor in Fischer tropsch Synthesis using Biosyn GasV.

Sayana Sree (111011106) in Jan 2013

3. Fischer tropsch Synthesis using Biosyn Gas by J. Shalini (111011103) in Jan 2013

4. Carbon Trading by Cement Plant by K.Sunil Kumar(11091102)

5. Kinetic Evaluation of oxidation of P-Tert-Butyl toluene to P-Tert-Butylbenzoic acid

CH.Venkata krishnaiah (1111101) in 2014

6. Effect of density of Pyrocarbon on porous carbon fiber by using chemical vapor infiltration M.

Sushma(1111108) in 2014

7. Effect of fluid dynamic and flow properties on pyrocarbon deposition on carbon fiber by using

Chemical vapor deposition By R.M.Kamala (1111103) in 2014

8. Estimation of optimum conditions for the yield of biodiesel by transesterification using rice

bran oil By V. Ravi Sankar(1112107) in 2015

9. Applications of membrane separation techniques for isolation of valuable organic compounds

By M. Harikrishna (1112102) in 2015

10. Separation of close boiling point isomers(cresol isomers) By stripping crystallization By K.

Raghu Vamshi(1113101) in 2015

11. Kinetic studies on adsorption based reacting processes by A Vamshi Krishna (131102) in 2016

12. Design A novel membranes aided electrolyzer for the production of alkaline ionized water for

medical and potable applications by T.Nagamani 1114108 ,march 2017

13. Study on paste mixing & curing processes to enhance mechanical strength of positive plates by

R. Sumi 1114107 ,March 2017

14. Reactive extraction of Levulinic acid with TBP using diluents 1-OCTANOL and 1-DECANOL

by M. Devika 1114105, Feb2017

15.Hydrodynamic studies of a three phase fluidized bed containing hollow cylindrical particles by

K..Sree Vidya , 1115107, March 2018

16. Novel Technique for Synthesis and Characterization of p-Hydroxybenzoic acid by . Madhavaiah,

1115108,March 2018

17. Non Catalytic subcritical methanol route for thermal up gradation of vacuum residue by Vivek

Kumar Shrivastaw, 1115109,July 2018

18. Catalytic Conversion of Ethane to ethylene using oxidative dehydrogenation With CO2,

N.Sravani 1117108 , jan 2020

19. Efficient Reclamation of Tungsten from Industrial Scrap, Agnihothram S Y V R Krishna,

1117103, Jan 2020.

20. Isolation and Identification of heavy metal resistant endophytic fungi from Hardwickia Binate Roxb, by

G. Sudarshan Reddy,1116101, 01-10-2020

21. Removal of RED F3B Dye by adsorption with Zinc Oxide Nano particles Synthesized using

Tabernaemontana Divaricata Leaf Extract by R.D kavitha Roll No 1118105, 3.8.2021.

22. Biosorption of Hexavalent Chromium from aqueous solution using Pterocarpus santalinus L.F ( Red

sandal wood leaves) and Tectona Grandis L.F.( Teak Leaves) as Bio sorbents by V.N..Kavya( 1119103),

11.04.2022

23. Egg Shells and Fish- Scales as Low cost Adsorbents for the Removal of Lead Metal From Aqueous

Solution By M.K.Raveena(1119101) 19.08.2022

24.Production of Bio Diesel From Palmolien Oil., Ricebrane Oil., Neem Oil and Their Yield

Comparison By P.G.R Manyula (1120102)

**Research Area:** Separation Processes, Environmental Engineering, Fluidization Engineering

**Membership in of Scientific and Professional Societies:**

1. Life member **of “Indian Institute of Chemical Engineers(LM-IIChE)”** LM-41929.Kolkata,700032, India
2. Life member **of “Administrative Staff College of India (ASCI) Hyderabad.”** LM-Prg/16-17/3/178/62310. Issued on 22 Sep 2016.
3. Life member of “**Institution of Engineers(India)”,** Gokhale Road, Kolkata,700020.(M-1558794) on 31st August 2016.
4. Life member of “**International Association of Engineers (IAENG)”** M-170250

issued on May 9th 2016.

1. Associate Fellow in **Andhra Pradesh Akademi of Sciences(Admits**) issued on 9th Day of November, 2018, Amaravathi.

**Publications (23):**

1. Steady State Modelling of Chemical Systems by using Neural Networks J.Shalini,J.Sunil Kumar, P.Akhila Swathanthra, International Journal of Engineering Research and Technology Vol.1, Issue 6 Aug 2012. With ISSN 2278-0181
2. Removal of Copper from Aqueous solutions by using sugar cane Bagasse, **Dr.P. AkhilaSwathanthra,** Dr.B.Sarath Babu, M.Srinivasa Rao, and Dr. V. V. Basava Rao, Journal of Innovative Research and Solutions, 1A, Issue No. 2,95-99, Jan-June-2013
3. Adsorption of Chromium (VI) from aqueous solution using a solid waste (Bagasse) **P.AkhilaSwathanthra**, V. V. Basava Rao, International Journal of Emerging Trends in Engineering and Development,5,Issue3, 330-336,Sep 2013, Impact factor 2.87
4. Adsorption of Cadmium and Zinc Ions from Aqueous Solution Using Low Cost Adsorbents P.Rajesh Kumar, **P.AkhilaSwathanthra**, V.V. Basava Rao and S.Ram Mohan Rao, Journal of Applied Sciences *,*ISSN: 1812-5654,Volume No: 14,No.13*,* 1372-1378, June 2014
5. Bagasse as a potential adsorbent of cadmium Removal from Aqueous Solutions, **P.AkhilaSwathanthra,**V.V. BasavaRao-International journal of Innovations in Engineering and Technology, Volume 4, Issue 1 June 2014,109-115,ISSN:2319-1058.
6. Kinetics of fluoride Adsorption on mixed nano composites: Analysis, Joseph Govha, T.BalaNarsaiah,MiltonManyangadze**, P.AkhilaSwathantha**- International Journal of Scientific & Engineering research, Volume 5,Issue 10,October 2014,ISSN 2229-5518,102-104
7. Removal of Cadmium Ions by adsorption onto Sawdust as Adsorbent from aqueous solutions, **P.AkhilaSwathanthra**,V.V.Basava Rao- International Journal of Emerging trends in Engineering and Development,ISSN:2249-6149,Volume.5 Issue 4(Aug-S**eptember2014**)291-298
8. Studies on pressure drop and gas holdup in concurrent three phase fluidized beds, P. Sreedhar, P.AkhilaSwathanththra, Paripex- Indian Journal Of Research (National),ISSN 2250-1991, **Feb 2016**, Vol 5, Issue 2, P.No 93-95, Impact factor 5.215.
9. Experimental Investigations on variation in static Bed Height and particle size on pressure drop and Bed Expansion Ratio in three phase fluidized bed, P.Sreedhar, P.Akhila Swathanththra, International Journal of science and Research,ISSN:2319-7064,Index

Copernicus value (2016):79.57, Impact factor(**2017**):7.296

1. Elimination of Nickel(I) from synthetic waste water using bagasse pith with column studies,

Murali Naik, P AkhilaSwathanthra, International Journal of Advance Research in Science

and Engineering, Vol.No.6, Issue No.5**, 2017**.ISSN 2319-8354.

11.Performance of fly ash and bagasse for the removal of Zinc ions from aqueous solutions by

adsorption, Akhila Swathanthra P, Basavarao V V, Pranay Kumar Y, Sreedhar P.Paripex-

Indian Journal of Research, Vol 9,Issue-3**, March 2020**.ISSN No.2250-1991,DOI:10.36106

12.Removal of Arsenic from waste water by using coal fly ash as adsorbent, K Mohammed Ali,

T.Bala Narasaiah, P Akhila Swathanthra, International Journal of engineering Research and

development, Volume 17, Issue 1**(January 2021**), PP. 19-25.

13.Removal of Lead (Pb+2) from waste water by using Coal fly Ash as Adsorbent, V. Bhavanisree,

T. Balanarsaiah, P.Akhila Swathanthra International Journal of Research in Engineering and

Science(IJRES),ISSN: 2320- 9364), Volume 9,Issue 2, pp: 34-40, , **Feb 2021**.

14.Thermodynamic parameters of adsorption of Nickel and Lead onto Cinnmomum Camphors

seeds Powder, M. Murali Naik, P. Akhila Swathanthra, International Journal of Science and

Research (IJSR), ISSN: 2319-7064, **Feb 2021** SJIF (2019) 7.583.

15. Adsorptive removal of cobalt and cadmium by using Bagasse Pith, M. Murali Naik, P. Akhila

Swathanthra, International Journal of Ilkogretim Online – elementary education online

Volume 20, Issue 4-2021.(April 2021) ,ISSN:1305-3515

16. Adsorption of Lead (Pb) from waste water by using Jatropha leaves powder as adsorbent , M.

Murali Naik, P. Akhila Swathanthra, International Journal of PENSEE, Volume 51, Issue 4-

2021,ISSN:0031-4773(Scopus Indexed).

17. Bio-sorption of Hexavalent Cr (VI) from Aqueous Solution using Pterocarpus Santalinus L. F.

and Tectona Grandis L.F. as Bio-sorbents, V. N. Kavya , P. Akhila Swathanthra, International

Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-

9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 10 Issue II Feb 2022

18. Evaluation of Mass Transfer in Bubbles:: A Simulation Model by M.Murali Naik , P. Akhila

Swathanthra , GIS Science Journal , ISSN:1869-9391, Volume 9, Issue 8,Aug 2022, Impact

Factor 6.1, UGC Care List-II.

19**. Removal of Nickel From Aqueous Solutions By Using Fly Ash As Adsorbent** by P.Akhia

Swathanthra, Ch. Deepak, International Journal of Research And Analytical Reviews(IJRAR)

E-ISSN:2348-1269, P-ISSN: 2349-5138, (UGC Approved Journal No:43602), Impact Factor:

7.17, Volume 9, Issue 3.Aug 2022

20. **Extraction of D-Limonene from sweet Orange peels using simple distillation** by P.Akhila

Swathanthra, M.Murali Naik, International Journal of Research And Analytical Reviews(IJRAR)

E-ISSN:2348-1269, P-ISSN: 2349-5138, (UGC Approved Journal No:43602), Impact Factor:

7.17, Volume 9, Issue 3.Aug 2022

21. **Egg-Shells And Fish-Scales as Low Cost Adsorbents for the Removal of Lead Metal from**

**Aqueous Solution,** M.K.Raveena , P.Akhila Swathanthra, International Journal of Research And

Analytical Reviews(IJRAR) E-ISSN:2348-1269, P-ISSN: 2349-5138, (UGC Approved Journal

No:43602), Impact Factor: 7.17, Volume 9, Issue 3.Aug 2022

22. **Review On Bio Polymers In Food Technology** ,Seerla Venkata Priyanka, P. Akhila Swathanthra,

Bandari Manjula, International Journal of Research And Analytical Reviews (IJRAR) E-

ISSN:2348- 1269, P-ISSN: 2349-5138, (UGC Approved Journal No:43602), Impact Factor: 7.17,

Volume 9, Issue 4. 16 Dec **2022.**

**23. Production of biodiesel from Palmolein oil, Ricebrane oil, Neem oil and their yield comparison** ,Dr. P. Akhila Swathanthra, 2P.G.R. Manyula, International Journal for Research Trends and Innovation(IJRTI ) Volume 8, Issue 7 | ISSN: 2456-3315, July 2023

**Book Chapters (3) :**

1. Removal of chromium from aqueous solution using low cost adsorbents ,**P.AkhilaSwathanthra**,V.V. Basava Rao **Chemical and bioprocess Engineering: Trends andDevelopments,** 321-329, , Apple Academic press(Book Chapter) Jan 2015,

**Innovative Technologies for the Treatment of Industrial Wastewater**Apple Academic press(Book Chapter) Jan 2017

1. Removal of Pb2+ from Water Using Silica Nano Spheres Synthesized on CaCO3as a Template **–** Adsorption Kinetics, MiltonManyangadze, J. Govha, T. BalaNarsaiah, Shilpa Chakra, and P. AkhilaSwanthanthra
2. Adsorption Studies on Removal of Cadmium (II) from Aqueous Solutions, P. AkhilaSwanthanthra, S. Nawaz Bahamani, and Bhavana

**Book:**

**1. Title: Electroplating Industrial Effluent Treatment using Low Cost Adsorbent**

**Authors**: V.V.basava Rao Akhila Swathanthra P

**Publishers:** LAMBERT Academic Publications, September 2018

2. **Title: Studies on Removal of Chromium from Aqueous Solution by Solid Waste ( Separation through Adsorption) 2019**

**Authors:** Murali Naik Mude, Akhila Swathanthra P.

**Publishers:** LAMBERT Academic Publications

**3. Title: Removal of Red F3B Dye By Adsorption With Zinc Oxide Nanoparticle:**

**Authors:** Akhila Swathanthra, Kavitha R.D

**Publishers:** LAMBERT Academic Publications, Auguest, 2022

**4. Title: Studies on Removal of Copper (II) From Synthetic Waste Water(Separation Through Adsorption)**

**Authors: Murali Naik Mude, Akhila Swathanthra P**

**Publishers:** LAMBERT Academic Publications, jan 2023.

**5. Title: Extraction of D-Limonene from Waste Orange Peels (Waste to value added products)**

**Authors: Murali Naik Mude, Akhila Swathanthra P, P.Uma Maheswari**

**Publishers:** LAMBERT Academic Publications, jan 2023.

**Participation list in different areas:**

**International Conferences attended : (25)+1 Participation**

1. Presented a paper on “Study on adsorption industrial effluents using fly ash and activated carbon (Comparative study) in a two day national seminar on “Pollution Control in Chemical & Related Industries” from 4th **and 5th November 2006** organized by St. Stanley College of Engineering and Technology, Hyderabad
2. Presented a paper on “Removal of Chromium by adsorption on Rice husk ash” in National Conference on “Current Trends in Chemical& Bio Process Engineering” From **13-14, December 2007** organized by Department of chemical Engineering, SVUCE, SVU, Tirupati.
3. Presented a paper on “Removal of Chromium (VI) from Aqueous solution using Teak Wood Saw Dust” in International conference on Recent Trends in Transportation Environmental and Civil Engineering-TECE2011 on Sep 14-15, 2011 Bangalore**,** REVA Institute ITM, Bangalore
4. Presented a paper on‘Adsorption of Chromium (VI) from Aqueous Solution using Solid Waste’ in International Conference on ‘Environmental Impact on human health and Therapeutic Challenges’ organized by department of virology, S V University, Tirupati on December 20th – 22nd, 2012
5. Presented a paper on “removal of Copper from Aqueous Solutions by using sugar cane Bagasse” in International Conference on Innovative Research and Solutions –ICIRS-2013 **on April 6th 2013** organised by Bharath university ,chennai.(published in journal also)
6. Presented a paper on “Removal of Chromium from aqueous solution using a low cost adsorbents” International Conference on Chemical and Bio process Engineering-India (ICCBPE-IN,2013) on November 16-17,2013 at NIT Warangal.(published a chapter in Apple Academic press)
7. Presented a paper on “ Sawdust as potential adsorbent of Cadmium removal from aqueous solutions” International conference on new dimensions in chemistry and chemical technologies-Applications in pharma Industries(NDCT-2014) on June 23-15,2014.JNTUH IST.
8. Presented a paper on “Separation of acetic acid /water mixtures by pervaporation through sodium alginate /polyaniline polyion composite membranes", International conference on new dimenstions in chemistry and chemical technologies-Applications in pharma Industries(NDCT-2014) by M.Harikrishna,Siddhartha Moulik, P.AkhilaSwathanthra and S.Sridhar on June 23-15,2014**.**
9. Presented a paper on “A comparative study for removal of cadmium from aqueous solution using low cost adsorbents” ” International Conference Green Technology for environmental Pollution prevention and control (ICGTEPC,2014) on September 27-29,2014 at NIT Trichy. (Selected as Best Paper)
10. Presented a paper on “Adsorption studies on removal of cadmium(II) from aqueous solution by solid waste” International Conference on” Trend setting innovations in chemical sciences & Technology-Applications in pharma industry during 16-18 December, 2015 at CCST, IST, JNTU Hyderabad
11. Presented a paper on “Design of a membrane process for production of alkaline drinking water through Ionization” International conference on “ Sustainable Energy Technologies for Smart & clean Cities (SETS & CC-2016)” during July 27-29, 2016. At AmarajaKarakambadi, Andhra Pradesh, India.(III prize)
12. Presented a paper on “Removal of Zinc from aqueous solutions by using low cost adsorbent” International Conference on” Trend setting innovations in chemical sciences & Technology- Nature inspired chemistry & Engineering (TSCST NiCE-16) during 4-6 October 2016 at CCST, IST, JNTU Hyderabad
13. Presented a paper on “Elimination of Nickel From Synthetic waste water using bagasse Pith with column studies” , 6th international Conference on Recent Development in Engineering Science, Humanities and Management held on 14th may 2017 at NITTTR, Chandigarh, India(MHRD, Govt of India) (paper also)
14. Presented a paper on “Catalyst Stability and Activity of Nickel for CO2 Reforming with Methane International conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-2017) March 18-20, 2017 at S V University, Tirupati
15. Presented a paper on “Experimental Studies on Removal of Chromium from Aqueous Solution by Biodegradable Materials” International conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-2017) March 18-20, 2017 at S V University, Tirupati
16. Presented a paper on “Compact Membrane Aided Purification Systems for Providing Potable Water to Rural and Fluoride Affected Areas” International conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-2017) March 18-20, 2017 at S V University, Tirupati
17. Presented a paper on “Adsorption Studies on Removal of Chromium (VI) from Aqueous Solution by using Solid Waste (Santilinus Leaf Litter)” International conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-2017) March 18-20, 2017 at S V University, Tirupati
18. Presented a paper on “A Study on Quality of Windrow Compost Produced from Different Municipal Solid Wastes in India” International conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-2017) March 18-20, 2017 at S V University, Tirupati.
19. **Participated in the 104th Indians Science Congress held at SV University, Tirupati from January 3 to 7, 2017**
20. Presented a paper on “**Fly ash and Baggasse as adsorbents for removal of Zinc Ions from waste water” International conference on Sustainable Waste Management(ISWMAW)** November 22-24, 2018 at A.N.G.University, Guntur
21. Presented a paper on “**Experimental studies on removal of Cadmium from aqueous solution by using bagasse ash**” International Conference on Green Power Technology in Power grid: Issues, Challenges and Control(ICGPTPG)” Under TQQIP-1.3, Twinning Activity organised by SVUCE, Dec 19th to 21st 2019
22. Presented a paper on **“Experimental Investigation and optimization of process parameters on compressive and Flexural Strength of FDM printed PLA material”,** 4th international conference on advances in mechanical Engineering(ICAME-2022) by SRM University, March 24-26, 2022.(online)
23. Presented a paper on “ **Synthesis of Copper Oxide and Cobalt Oxide Nanostructues for Super capacitor Electrode Applications**”, International conference on Innovations in Engineering and Technology(ICIET-2022),during September 15-17, 2022.
24. Presented a paper on “**Applications of Bio Polymers in Food Technology**”, International conference on Innovations in Engineering and Technology(ICIET-2022),during September 15-17, 2022
25. Presented a paper on “ **Removal of lead ions from Aqueous solution by adsorption on to Jatropha Leaves Powder**, International conference on Robotics & Automation in pharma Manufacturing-Impact on Pharma 4.0” Organized by Department of Pharmaceutical Engineering, BURIT Narsapur in Association with JNTU Anathapur, MGM University, Aurangabad, M.H & BIONEST, Univ. Of Hyderabad, TS during 16th and 17th Feb 2023.

**National Conferences attended : (12)+2 participation**

1. Presented a paper on “Prediction of Isotherms for Chromium and Zinc Adsorption from Aqueous solutions using low cost adsorbents (poster paper)” at Indian Chemical Engineering Congress CHEMICON-2011, December 27-29, 2011.
2. Presented a paper on “ Adsorption of Chromium(VI) From aqueous solution using a solid waste” in National Conference on “Modern innovations and Approaches In Biotechnology NCMIAB-2012” held on 29 Feb and 1st March-2012. Organized by SPMVV, Tirupati
3. Presented a paper on “Role of Bagasse in Removal of Chromium (VI) from Aqueous solutions” in National Conference on “Recent Trends in Green Processing Strategies (RTGPS-2012)” March 29, 2012 organized by Department of chemical Engineering, SVUCE, SVU, Tirupati
4. Presented a paper on “Role of Teak Wood Saw Dust in removal of Copper from Aqueous Solutions” in National Conference on “Technological Advances in chemical and Bio process Engineering (TACBE)” on 28 th September, 2012. Organized by Department of Chemical Engineering, SVUCE, SVU, Tirupati
5. Presented a paper on “ Studies on removal of chromium(VI) from aqueous solution by using solid waste” in National Conference on “Novel Process Development for Sustainable Industrial Practice” from 12-13 December,2014. Organized by Department of Chemical Engineering, SVUCE, SVU, Tirupati.
6. Presented a paper on “ Synthesis of Nanocatalysts for low temperature soot oxidation” in National Conference on “Novel Process Development for Sustainable Industrial Practice” from 12-13 December,2014. Organized by Department of Chemical Engineering, SVUCE, SVU, Tirupati.
7. Presented a paper on “ Separation of ethanol /water mixture using polyacrylic acid/Poly vinyl pyrrolidone / polyaniline composite membrane” in National Conference on “Novel Process Development for Sustainable Industrial Practice” from 12-13 December,2014. Organized by Department of Chemical Engineering, SVUCE, SVU, Tirupati.
8. Presented a paper on National Conference on Recent Advances in Polymer technology and Industrial Applications (RAPTIA-2017) held during 17th & 18th February 2017.
9. Presented a paper on “Hydrodynamics of three phase fluidized bed using low density particles ” Pollution Control Strategies in Chemical and Related Industries (PCSCRI )during 11-12 March 2017. Organized by Department of Chemical Engineering, SVUCE, SVU, Tirupati
10. Presented a paper on “Catalyst Stability Analysis of CO2 Reforming of Methane for Syngas Production” Pollution Control Strategies in Chemical and Related Industries (PCSCRI )during 11-12 March 2017. Organized by Department of Chemical Engineering, SVUCE, SVU, Tirupati
11. Participated in Two day “National Conference on Emerging Technologies in Civil Engineering” during 22-23 February,2019, Organized by department of Chemical Engineering, S V University Tirupati
12. Participated in two day seminar on “Role of Digital Technology for National Development” Organised by SVU College of Engineering during 26th and 27th October 2018, Under TEQIP-III
13. Presented a poster in Translational Research Trends in Process Engineering(TRTPE-2019) organized by CSIR-Indian Institute of Chemical Technology, Hyderabad during 26th -27th June 2019.(Title: Removal of cadmium by using low cost adsorbents)
14. Participated in National Conference on “ Advancement in Green Energy Production, Environmental Hazard Reduction and Its Sustainability” Organized by School of Engineering & Technology at GIET University, Gunupur during 10th & 11th June 2022

**National Symposium: (03) and Guided**

* Presented a paper at National Symposium on “Advances in Chemical Engineering” From 22-24, November 2007. Organized by Osmania University, Under TEQIP.

**Title: Separation Technique for removal of Heavy metals from Industrial waste water.**

* Presented a paper at National Symposium on “Advances in Chemical Engineering” From 22-24, November 2007. Organized by Osmania University Under TEQIP.

**Title: Adsorption of Heavy metals onto pellets made by Fly ash.**

* Presented a paper at National Symposium on “Innovative Environmental technologies” From 9 & 10 March,2007, Organized by JNTU College of Engineering, Anantapur, Under TEQIP

**Title: Studies on Adsorption of Copper and Lead from waste water using Bottom Ash**

* One project guided for B.Tech Students **at National Level Project Exhibition& Competition** for **IDEAS to IMPLEMENTATION** at Saintgits College of Engineering, Pathamuttom, Kottayam, Kerala name of **SRISHTI 2018** during **26th and 27th January 2018** on **“Plastic wastage into Energy”** B.Hima Bindu, L.Amulaya,
* Participated in a two day seminar on “Career Guidance &Aptitude Skills” (CGAS-2017) on 3rd -4th March 2017,Under TEQIP-II-1.2 organized by SVUCE,SVU, Tirupati

**GIAN (Global Initiative of Academic Networks) Course:**

* One week GIAN course on **MultiScale Modelling and Simulation of Heterogeneous Catalytic Reactors** during 8-12 January 2018, organized by Department of Chemical Engineering, NIT Warangal
* One week GIAN course on Process Intensification during 07-11 January 2019,organized by Department of Chemical Engineering, NIT Warangal

**Faculty Development Programs: (23)**

1. One day faculty development**(FDP)** on “Developing Employability Skills among Students- Industry perspective” organized by SVU College of Engineering, Tirupati and Tata Consultancy Services Ltd., Hyderabad on 27-07-2013 under TEQIP-II 1.
2. Participated in Two week Faculty Development Programme **(FDP)** on ‘Foundation Skills in Information Technology (FSIT)’ at Sri Venkateswara University College of Engineering, Tirupati from 20.01.2014 to 30.01.2014.
3. One day faculty development programme **(FDP)** on “Intellectual Property Rights” organized by SVU College of Engineering, Tirupati and Tata Consultancy Services Ltd., Hyderabad on 08-07-2014
4. Five days FDP on Management Development Program for Improved R&D and III at TEQIP-II Institutions Organized by Administrative staff College of India, Hyderabad during September, 19-23, 2016
5. Six days Management development Programme on “Management Capacity Enhancement Programme(MECP) for TEQIP Institutions” organized by IIM Kozhikode from December 5 to 10 ,2016
6. Two week faculty development program on ENTREPRENEURSHIP organized by Entrepreurship development cell, SVU, Tirupati during June 10th -20th ,2018
7. Attended two day faculty development program on HEALTH CARE MANAGEMENT organized by SVUCE,SVU Tirupati during 7th,8th February.2020
8. TWO week AICTE FACULTY DEVELOPMENT PROGRAM on **Mathematical modelling and simulation for scientist and engineers,** organized by Department of chemical Engineering, JNTUA during 24-02-2020 to 07-03-2020
9. One day **faculty awareness program** on NBA on 31-05-2020, organized by DR.D.Y.PAIL SCHOOL OF ENGINEERING.
10. Two week course faculty development program on DIGITAL TRANSFORMATION IN TEACHING LEARNING PROCESS organized by NPIU,TEQIP-3,online,during April 6th-22nd ,2020.
11. Five day online faculty development program on RECENT INNOVATIONS IN CHEMICAL ENGINEERING organized by Department of chemical engineering BKIT BHALKI held during 29th June -3rd July 2020
12. FIVE DAY FDP On “**E- Content Development**” organized by IIITDM Kurnool and IIIT Tiruchirapalli in association with APSCHE,AP from **8th September to 12th September 2020**.
13. TWO week AICTE FACULTY DEVELOPMENT PROGRAM on **Advanced Pedagogy and Digital Tools in Engineering Education ,** organized by Department of Computer Science and Engineering, Institute of Aeronautical Engineering, Hyderabad. Telangana during 14-12-2020 to 26-12-2020
14. TWO week AICTE FACULTY DEVELOPMENT PROGRAM on **Catalysis and Reaction Engineering**, Organized by Laxminarayan Institute of Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur during 18th January to 30th January 2021.
15. Participated in FIVE-DAY Faculty Development Program (FDP) on “**Novel Applications of Chemical Engineering (NACE)”** from 15th -19th, July 2021 organized by DEPARTMENT OF CHEMICAL ENGINEERING M V G R College of Engineering (A) Vizianagaram, Andhra Pradesh.
16. Participated in AICTE Training and Learning (ATAL) Academy Online Elementary FDP on “Energy Engineering” from 23/8/2021 to 27/8/2021 at Mizoram University.
17. Participated in FIVE DAY Faculty Development Program (FDP) on Green Technologies towards Sustainable Future GTTSF-2022 from 8th -12th March 2022 Jointly organized by department of Chemical Engineering, GMR Institute of Technology, Rajam.Srikakulam, Andhra Pradesh and NIT Warangal, Telangana, India.
18. Participated in one week online Faculty Development Program (FDP) on “**Artificial Intelligence/Machine Learning for Mechanical Engineering Problems”** from 21st -19th , March 2022 organized by DEPARTMENT OF MECHANICAL ENGINEERING, Shri Vishnu Engineering College for Women,Vishnupur,Bhimavaram,West Godavari,AP
19. Participated in 40 hour online Faculty Development Program (FDP) on “Simulation As a Pedagogical Aid in Chemical Engineering” Sponsored by Ministry of Electronics and Information Technology (Meity)GoI Organized by Department of Chemical Engineering, NITW and E&ICT Academy, NIT Warangal during from 13th -22th JUNE 2022.

1. Participated in the 10 days free Yoga Camp Programme Organised by the Department of of Physical Education and Wellness centre(8th International Day of Yoga Celebrations, Online), Sri Padvathi Mahila Viswavidyalam, Tirupati from 06-06-2022 to 15-06-2022.
2. Participated in 3 days National level e- Faculty Development Program on “ Best Practices in Teaching and Research” Organized by Santhiram College of Pharmacy, Nandyal in association with APTI, State Branch, Ap. India during 5th - 7th September 2022.
3. Participated in FIVE DAY online International Faculty Development Program (FDP) on “Sustainable NanoTechnologies SNT -2022” from 11th -15th October- 2022 Jointly organized by department of Chemical Engineering, GMR Institute of Technology, Rajam, Srikakulam, Andhra Pradesh and NIT Warangal, Telangana,India
4. Participated in AICTE Training and Learning (ATAL) Academy Blended/Hybrid FDP on “Nano Structured Materials- Synthesis, Characterization and Applications” from 10.10.2022 to 21.10.2022 at JNTUK University College of Engineering, Vizayanagaram

**Workshops Attended: (14)**

1. Two day national workshop on “**Faculty Development”**  organized by St. Stanley College of Engineering & Technology” **From 10-11 Feb,2007**
2. National workshop on” Design of Experiments for Scientists and Engineers” Organized by Human Resource Development Centre”(Council of Scientific and industrial Research) at IICT, Tarnaka, HYD on **16th and 17th August 2007.**
3. Motivation Workshop **on** “ Capacity Building of Women managers in Higher Education” Organized by Department of political Science& Public Administration, SVU, Tirupati  **from 9 to13August 2010**
4. National work shop on “Research Methodology” organized by Department of CSE, SVUCE, SVU, Tirupati, **From 29-30 th September, 2012.**
5. Two Day workshop on “Air pollution Control and Monitoring Issues & Solutions for SME Sector” Organized by ni-msme, Yousufguda, Hyderabad from **05-09-2013 to 06-09-2013**
6. One day workshop on “Industrial Waste Water Treatment Technologies-Aero Discharge” on 21st March 2014, organized by CCST, IST, JNTU, Hyderabad.

1. One day national workshop on “Safety in chemical and pharmaceutical Industries” organized by CCST,IST,JNTU Hyderabad on 30th July,2014.
2. Two Day workshop on “Initiatives for quality Improvement in Engineering Education”

Organized by Sri Venkateswara University College of Engineering Tirupati from

**15-10-2014 to16-10-2014.**

**9.** Two day Workshop on “Stepping Into Advanced Flow Reactors” from 25th& 26th Feb, 2015

organized by CCST, IST, JNTU, Hyderabad

10. Three day workshop on “Advanced Separation processes” organized by Department of

chemical Engineering, NIT Warangal from 5-02-2016 to 7-02-2016.

11. Workshop on Massive Online Courses (MOOCs) jointly organised by APSCHE and

APSSDC at Acharya Nagarjuna University from 31st August to 2nd September 2018.

12. Workshop on Sponsored Research, IPR & Entrepreneurship organised by SVU College of

Engineering, Tirupati under TEQIP III-1.3 from 1st to 3rd August 2019.

13. Participated in a workshop on Audit & Legal Aspects of Administration from 15th & 16Th

November, 2019 organized by SVU College of Engineering, SVUniversity, Tirupati

**Short term Training Programs: (03)**

1. Short term training programme on “Applications of Process Simulators in Chemical Engineering” Organized by IITM from **Nov 26-30, 2012**
2. Short term training programme on “Time Series Modelling & Spectral Analysis –Theory &Applications” organized by Indian Institute of Technology Madras from **12 to 17July,2010**
3. Short term training programme on “Applications of Process Simulators in Chemical
   1. Engineering” Organized by NIT Warangal from 2-7June,2008

**SERB School:**

1. Participated in SERB school on “Rheology of Complex Fluids: Advance Computational methods” conducted by IIT Delhi during 16-18 December 2013.

**Quality Improvement Programme**

1. Quality improvement programme on” instructional Design and delivery systems” organized by SVUCE ,under TEQIP from 24-29,November,2007

**Induction Program:**

1. “Induction Programme for new faculty” organized by SVU, Tirupati. From 7-11 Aug 2007

**Orientation Programme**

1. Organized by UGC Academic Staff College, SVU, Tirupati from29-10-2012 to 24-11-2012

**Refresher Courses(2)**

1. Participated in Refresher course on “Role of Communication Skills on Effective Teaching”

Organized by UGC Academic Staff College, JNTU Hyderabad, from17-05-2013 to 06.06.2013.

2. Participated in refresher course on “Engineering Sciences” Organized by UGC Academic

Staff College, SVU, Tirupati, from 16-11-2015 to 05-12-2015

**As Chaired person**

1. Has chaired a technical session “Chemical/Biotech/Nano& Environment” in the international Conference on Chemical and Bioprocess Engineering-India organized by Department of Chemical Engineering, Nit, Warangal,AP on November 16-17,2013.
2. Has chaired a technical session “International Conference on” Trend setting innovations in chemical sciences & Technology- Nature inspired chemistry & Engineering (TSCST NiCE-16) during 4-6 October 2016 at CCST, IST, JNTU Hyderabad
3. Has chaired a technical session “International conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-2017) March 18-20, 2017 at S V University, Tirupati

**No. of National Conferences Organized**As a coordinator

1. Every year one student National Conference “CHEMOSPEHRE” .
2. National Conference on “Current Trends in Chemical& Bio Process Engineering” From

**13-14, December 2007** organized by Department of chemical Engineering, SVUCE, SVU,

Tirupati.

1. National Conference on “Recent Trends in Green Processing Strategies (RTGPS-2012)” March 29,2012 organized by Department of chemical Engineering, SVUCE, SVU, Tirupati.
2. National Conference on “Novel Process Development for Sustainable Industrial Practice”

from 12-13 December,2014. Organized by Department of Chemical Engineering, SVUCE,

SVU, Tirupati.

1. National Conference on “Technological Advances in chemical and Bio process Engineering

(TACBE)” on 28th September, 2012. Organized by Department of Chemical Engineering,

SVUCE, SVU, Tirupati.

1. One International on “conference on Emerging Trends in Engineering, Science and Technologies (ICETEST-2017)” March 18-20, 2017 at S V University, Tirupat
2. Coordinator for National Conference on “Pollution Control Strategies in Chemical and Related industries (PCSCRI - 2017)” organized by Chemical Engineering Department, S V University College of Engineering, Tirupati on 10th – 11th March, 2017.

**Short term training programme**

* 1. As a coordinator organized on “ Sustainable Waste Management” in Department of Chemical Engineering, SVUCE,SVU, during March 6-9, 2017

**One day Online Lectures:**

1. National level one day webinar on National Education Policy 2020, organized by SVU College of Engineering and in collaboration with Vidwat Parishad, Telangana Under TEQIP-III-1.3 on 23-01-2021.
2. Participated a **webinar on “Entrepreneurship and Innovation as career Opportunity”** held on **19-11-2021 Organized by start-up cell SVUCE, SVU, Tirupati**
3. 15th M.P Chary Memorial Lecture **on “ Exciting Opportunities in Digitalization, AI and ML By Prof Ravindra Gudi** on 25th June 2022 Organized by (IIChE-HRC) in association with UCT-OU,Hyderabad.
4. Attended a Lecture series on **“ Is Chemical Engineering a versatile Profession? (Insights into my experiences as a Chemical Engineer to date)” by** Prof Hari Babu Vuthaluru,Dept of Chemical Engineering, Curtin University, Australia on 25th July 2022 Organized by the UCT-Ou Student Chapter, Department of Chemical Engineering, UCT,OU and IIChe-HRC

5. Participated in a webinar on “**National Intellectual Property Awareness Mission” on Jan 11, 2023** Organized by Intellectual Property Office, India

**National Seminar:**

1. Participated in National Seminar on “**National Educational Policy-2020: A Road Map to Revamp the Indian Higher Education System**” during 22nd to 23rd March, 2022 at SVU and Sri Padmavathi Mahila Visva Vidyalayam Tirupati,AP.