**CURRICULUM VITAE**

**Dr.D.HYMAVATHI**



5-322, Gayatri NagarOpp Mahila University

Tirupai-517502,

***EMAIL ID: [hymaphd2010@gmail.com](mailto:hymaphd2010@gmail.com)***

[***hymamtech@gmail.com***](mailto:hymamtech@gmail.com)

***MOBILE NO: +919441522731***

**Career Objective:**

To associate with an organization which progresses dynamically and gives me an opportunity to enhance my skills in the field of Chemical Engineering and be a part of the team that excels in work towards growth of the organization and gives me satisfaction thereof.

**Academic Profile:**

**Ph. D**  in Chemical Engineering, SVU, Tirupati, on “***Optimization, Modeling, Kinetic and Surface characterization in the Adsorptive Removal of Cobalt and Lead using low cost Adsorbents*”** in 2018.

M.Tech in Chemical Engineering, Sri Venkateswara University, Tirupati in 2008.

B.Tech in Chemical Engineering, Gayatri Vidya Parishad, Vizag (JNTU, Hyderabad) in 2003.

**Awards:**

* RGNF Selected in 2011-2012.
* GATE Qualified conducted in 2005.

**Professional Affiliations**

1. Life Member, The Institution of Engineers( **AM1671467**)
2. Lifetime Member of Global Initiative of Academic Networks (GIAN) with Id:2015150215630

**Teaching Experience:**

* Working as Assistant Professor in Dept. of Chemical Engineering, SVU, Tirupati, from 2018 to till to date.
* Academic Consultant in the Dept. of Industrial Biotechnology, School of Engineering & Technology, SPMVV, Tirupati during 2009-2011.
* Worked as a Lecturer in Dept. of Sugar Technology, S.V. Polytechnic College, Tirupati during 2007-2009.

**Research Publications:**

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# Ashok Kumar P., Hymavathi, D and Prabhakar, G. (2021) Waste heat recovery analysis in a vertical riser with air–sand: hydrodynamics and heat transfer., Chem. Eng. Comm.*,*208(10), 1464-1478.

1. Usha,R.,  [Indhravathi](https://link.springer.com/chapter/10.1007/978-3-030-46939-9_48#auth-Ch_-Indhravathi),Ch.,  [**Hymavathi**](https://link.springer.com/chapter/10.1007/978-3-030-46939-9_48#auth-D_-Hymavathi)**,D** and [Vijayalakshmi](https://link.springer.com/chapter/10.1007/978-3-030-46939-9_48#auth-M_-Vijayalakshmi), M.(2020). Onion Husk Powder as a Adsorbent for Removal of Methylene Blue and Malachite Green from Aqueous Solutions, In: Jyothi, S., Mamatha, D., Satapathy, S., Raju, K., Favorskaya, M. (eds) Advances in Computational and Bio-Engineering. CBE 2019. Learning and Analytics in Intelligent Systems, vol 15. **Springer, Cham. https://doi.org/10.1007/978-3-030-46939-9\_48.**
2. **Hymavathi, D** and Prabhakar, G. (2019).Modeling of cobalt and lead adsorption by *Ficus benghalenesis* L. in a fixed bed column.*,* **Chem. Eng. Comm.*,*206(10),** 1264-1272.
3. **Hymavathi, D** and Prabhakar, G. (2017).Optimization, Equilibrium and Kinetic Studies of Adsorptive Removal of Cobalt(II) from Aqueous Solutions using *Cocos nucifera* L**., Chem. Eng. Comm.*,*204(9),1094-1104*.***
4. **Hymavathi, D** and Prabhakar, G. (2017).Studies on the Removal of Cobalt(II) from Aqueous solutions by Adsorption with *Ficus benghalensis* Leaf powder through Response Surface Methodology, **Chem. Eng. Comm., 204(12),1401-1411.**
5. **Hymavathi, D** and Prabhakar, G. (2017). Biosorption of Pb(II) ions onto Cocos nucifera Leaf powder: Application of Response Surface Methodology, **Environmental Progress and Sustainable Energy,  DOI: 10.1002/ep.12945*.***
6. **Hymavathi, D** and Prabhakar, G. (2017). Optimization of Biosorptive removal of Cobalt(II) onto *Eucalyptus globulus L.,* ***Int. J. Pharm & Bio Sci.* 8(2): (B) 107-115.**
7. **Hymavathi, D**., Prabhakar, G and Sarath Babu, B. (2014). Biodiesel Production from Vegetable Oils: An Optimization Process, ***Int. J. of Chem. & Petrochemical Technol.* 4(2), 21-30.**
8. **Hymavathi, D** and Prabhakar, G. (2017). Studies on the Removal of Pb(II) from Aqueous Solutions by Adsorption with *Eucalyptus globulus* Leaf Powder through Response Surface Methodology, ***Austin Chem. Eng*. 4(1), 1-7.**
9. Kumari Chitturi, M., Jeevana Lakshmi, P., **Hymavathi, D**. (2017). Methanotrophs- Role in Environmental Engineering Specific to Reversal of Global Warming, ***Int. J. of Sci., Eng. and Management (IJSEM).* 2(3).**
10. **Hymavathi, D** and Prabhakar, G. (2017). Biosorption of Pb(II) Ions onto *Cocos Nucifera* L.: Application of Two-Parameter Isotherm Models, ***Inter. J. of Sci. and Research* (IJSR)**
11. Jeevana Lakshmi, P., **Hymavathi, D**., Ambethkar, Y. (2015). Bio-treatment of coloured textile effluents by *Phanerochaete chrysosporium,* ***Int. J. of Eng. and Technical Research* (IJETR), 3(1).**
12. Satyavathi, B., Venkatakrishnaiah, Ch., Sarath Babu, B., Pratap Kumar,T., **Hymavathi**, D. (2015). Optimization of Reaction Parameters for Production of p-tert Butyl benzoic Acid, ***Int. J. of Scientific and Eng. Research*. 6(2).**
13. Kumari Chitturi, M., Jeevana Lakshmi, P., **Hymavathi, D**. (2018).Isolation of Alpha Amylase Producing *Bacillus Sps*. from Potato Waste Dump and Studies on Optimization its Production Using Response Surface Methodology **( under review in 3 Biotech)**.
14. **Hymavathi, D** and Prabhakar, G. Modeling of Adsorptive Removal of Heavy Metals by *Ficus benghalensis* L. in a fixed bed column **(Under review in Chem. Eng. Comm.).**

**Papers presented in conferences attended:**

**International:**

1. Presented a paper on Methotrophs- Role in Environmental Engineering specific to reversal of Global Warming in the ICETEST-2017 held at SVU on 18-20 March, 2017.
2. Presented a paper on ‘Ultrasound Assisted Extraction Of Menthol from Mint Leaves’ in International Conference on “New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2015)” at National Institute of Technology, Warangal during 20th – 21st March, 2015.
3. Presented a paper on ‘Experimental studies on reactive distillation of Lactic Acid with butanol’ in International Conference on Green Technology for Environmental Pollution Prevention and Control (ICGTEPC - 2014), held at National Institute of Technology, Tiruchirappalli, Tamil Nadu on 27th - 29th September, 2014.

**National:**

1. Presented a paper on “Adsorptive removal of Cobalt(II) from aqueous solutions using Eucalyptus globulus L., Equilibrium and Kinetic study” during the 104, Indian Science Congress at SVU ,Tirupati from Jan 3-7 th, 2017.
2. Presented a paper on “Removal of Lead and Cadmium from contaminated soils using Bio-surfactants from Bacteria” in Pollution control strategies in chemical and related industries (PCSCRT-2017) during 10-11 th March, 2017, SVU, Dept. of Chem. Eng.
3. Presented a paper on Reactive Extraction of Propionic Acid using Alamine 336 in different diluents in 1st AP Science Congress during 27-29 th, January, 2016.
4. Presented a paper on Cost effective strategies in bioconversion of Methane by Methotrophs in the national consultation on the role of science and technology in national development on 21&22nd March, 2017, Siddarth Institute of Engineering and Technology, Puttur.
5. Presented a paper on Optimization of reaction parameters for production of p-tert-trilyl benzoic acid, NCIMW, 23&24th January, 2015, SPMVV, Tirupati.
6. Presented a paper on Role of wood rot fungus in Bio-treatment of colored textile effluents in Novel Process Development for Sustainable Industrial Practice, Dept of Chemical Engg, SVU during 12 &13th December, 2014.
7. Presented a paper on “Biodiesel production from vegetable oils” in Recent research trends in synthetic organic and natural products RRTSONPC-2010 Department of Chemistry, S.V. University, Tirupati, 29-30th March, 2010.
8. Prasented a paper on Dynamic modeling of local Reaction conditions in an Agitated Aerobic Fermentor, in Frontiers in Biotechnology, Dept of Biotechnology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, 27&28th March, 2010
9. Presented a paper on “Biodiesel Tomorrows fuel ” in National Conference on “Technological Advancements in Chemical and Bioprocess Engineering(TACBE – 2012)” organized by Chemical Engineering Department, S V University College of Engineering, Tirupati on 28th September, 2012.

**Participated:**

1. Participated in National seminar on trends in bioethics, bio safety and intellectual

Property rights, Feb. 2010, SPMVV, Tirupati.

2. Participated in 104 Indian Science Congress, Research Scholar in Food Committee

Member.

**Programmes organized:**

* National symposium of environmental Pollution, ecology and human health, July 2009, SE&T, SPMVV, Tirupati.
* VIRINCHI during 2010, School of Engineering and Technology, SPMVV, Tirupati.

**Personal Details:**

Husband’s name : S. Nagaraju

Date of Birth : 15th March 1978

Languages known : Telugu, English and Hindi.

Nationality : Indian

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**(D. HYMAVATHI)**