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المؤهلات الأكاديمية

PhD in Chemical Engineering، Indian Institute of Chemical Technology (IICT) and Osmania University, Hyderabad, India.، 2014

MS Tech in Chemical Engineering، Osmania University, Hyderabad, India، 2009

B.Tech in Chemical Engineering، Bapatla Engineering College, Acharya Nagarjuna University، 2007

أنشطة التدريس

Fundamentals of Chemical Engineering 1، 2017-2024

Principles of Heat Transfer، 2017-2018

Petroleum Refining and Petrochemicals، 2017, 2018, 2021, 2024

Industrial Safety and Pollution Control، 2017-2023

Catalysis and Catalytic Processes، 2018-2024

Chemical Engineering Thermodynamics، 2019

Kinetics and Reactor Design، 2016, 2017, 2024

Chemical process industries، 2017-2020, 2023

Engineering Economy، 2017, 2019, 2020

Numerical Methods and Analysis، 2018, 2019, 2023

Transport Phenomena، 2020, 2021

Plant design I، 2019, 2022, 2024

Plant design II، 2019, 2020, 2022, 2024

الأنشطة البحثية

الاهتمامات البحثية ـ

Chemical Reaction Engineering

Catalysis

Aquatic waste to value added materials

المنشورات ـ

مقال:

1. Badar 2024 ، Synthesis and Characterisation of Biochar Activated Carbon for Oil Spills Removal Mohammed Al-Nairi, D. Sri Maha Vishnu, Sri Hari Kumar Annamareddy, Mustafa Al Salmi, Sausan Al Yaqoobi, Mohammed Abdulhakim Al-Saadi and Ahmed Al-Harrasi, Johnson Matthey Technology Review, Vol 68, (2024) 3

2. 2024 Effect of Ni loading onto Pt (Pt-Ni/C) electrocatalysts for PEM fuel cell: A study of ORR activity, stability, and temperature effect، Rajesh Kumar Polagani, Prashant L. Suryawanshi, Mahendra Chinthala, Sri Hari Kumar Annamareddy, Narendar Nasani, Shirish H. Sonawane, Asia-Pacific Journal of Chemical Engineering 19(1) (2024), e2993.

3. 2023 Dielectric Properties and Thermal Conductivity of Polyvinylidene Fluoride Synergistically Enhanced with Silica@Multi-walled Carbon Nanotubes and Boron Nitride ، Zijian Wu, Xuefei Wang, Sri Hari Kumar Annamareddy, Shunying Gao, Qi Xu, Hassan Algadi, Deepak Sridhar, Priyanka Wasnik, Ben Bin Xu, Ling Weng, and Zhanhu Guo, ES Materials & Manufacturing, Vol 22, (2023) 847

4. 2023 Multifunctional Polymer Nanocomposites for Non-Enzymatic Glucose Detection: A Brief Review، Bo Wu, Qizhou Xue, Yuxin Fan, Dapeng Cui, Yunlog Sun, Ben Bin Xu, Huige Wei, Handong Li, Priyanka Wasnik, Deepak Sridhar, Hassan Algadi, Zhanhu Guo and Sri Hari Kumar Annamareddy, ES Food & Agroforestry, Vol 12, (2023) 859

5. 2023 ، Treatment of Produced Water Using Prepared Activated Carbon-Based Sewage Sludge Salam K. Al Dawery, Maroa K. Al-Sawai, Ghatara M. S. Al Muzami, Sri Hari Kumar Annamareddy, Muataz S. Al Dawari, Ramzi H. Harharah, Hamed N. Harharah and Abdelfattah Amari, Separations 10 (2023) 519

6. 2023 Appraisal of Physicochemical Qualities of Grazing Land Soil in Kartala Block, Chhattisgarh, India، Raj Kumar Rathore, Nand Kumar Kashyap, Sri Hari Kumar Annamareddy, Milan Hait, Gourisankar Roymahapatra, and M. M. Vaishnav, ES Food & Agroforestry, Vol 11, (2023) 856

7. 2023 Effective three-dimensional thermal conductivity networks in polystyrene/multi-walled carbon nanotubes/aluminum oxide@hexagonal boron nitride composites based on synergistic effects and isolated structures، Zhengfang Wang, Zijian Wu, Najla AlMasoud, Ling Weng, Taghrid

S. Alomar, Zeinhom M. El-Bahy, Mingpeng He, Changjie Yang, Mingqi Sun, Priyanka Wasnik, ,,Handong Li, Hassan Algadi, Sri Hari Kumar Annamareddy & Deepak Sridhar

8. 2022 Low Temperature Conversion of Ethane to Ethylene Using Zirconia Supported Molybdenum Oxide Catalysts، Sri Hari Kumar Annamareddy, Salam K. Al-Dawery, D. Sri Maha Vishnu, V. N. Kalevaru and P. S. Sai Prasad, Engineered Science, Vol 20, (2022) 209-217

9. 2022 Enhancement of the Properties of Peony Seed Meal by Steam Explosion and Complexation، Ruge Cao, Qianwei Ma, Sri Hari Kumar Annamareddy, Xueyang Li and Ben Bin Xu, ES Food & Agroforestry, Vol 8, (2022) 66-73

10. 2022 Electric Vehicle Revolution and Implications: Ion Battery and Energy ، Wanda Qiu, Qing Hao, Sri Hari Kumar Annamareddy, Ben Bin Xu, Zhanhu Guo, and Qinglong Jiang, Engineered Science, Vol 20, (2022) 100-109

11. 2020 Treatment of garage wastewater using activated carbon made from khat (Catha edulis) and neem (Azadirachta indica) leaves، Suneeta Kumari, Sri Hari Kumar Annamareddy, Environment, Development and Sustainability, Vol 22, (2020) 2967–2978

12. 2017 Physicochemical properties and characterization of chitosan synthesized from fish scales, crab and shrimp shell ، Suneeta Kumari, Sri Hari Kumar Annamareddy, A. Sahoo, P. Rath, International Journal of Biological Macromolecules, 104, Part B, (2017) 1697-1705

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14. 2016 Chitosan from shrimp shell (Crangon crangon) and fish scales (Labeorohita): Extraction and characterization" ، Suneeta Kumari, P. Rath, A. Sri Hari Kumar, African Journal of Biotechnology, 15(24) (2016)1258 -1268

15. 2015 Solid Waste Management of Fishery and Shrimp، Suneeta Kumari, P. Rath, A. Sri Hari Kumar, Applied Mechanics and Materials, 787 (2015) 124-128

16. 2015 Extraction and Characterization of Chitin and Chitosan from Fishery waste by Chemical method، Suneeta Kumari, P. Rath, A. Sri Hari Kumar, T. N. Tiwari, Environmental Technology & Innovation, 3 (2015) 77-85

17. 2014 Oxidative dehydrogenation of ethane to ethylene over V2O5/Al2O3 catalysts: Effect of source of alumina on the catalytic performance ، A. Qiao, V.N. Kalevaru, J. Radnik, A. Düvel, P. Heitjans, A. Sri Hari Kumar, P.S. Sai Prasad, N. Lingaiah, A. Martin, Industrial & Engineering Chemistry Research, 53 (49) (2014) 18711-18721

18. 2013 Selective oxidative dehydrogenation of ethane over MoO3/V2O5-Al2O3 catalysts: Heteropolymolybdate as a precursor for MoO3 ، A. Sri Hari Kumar, K. Upendar, A. Qiao, P.S.N. Rao, N. Lingaiah, V.N. Kalevaru, A. Martin, Ch. Sailu, P.S. Sai Prasad, Catalysis Communications, 33 (2013) 76-79

الخبرة الإدارية

2019 – الآن: Head of Chemical and Petrochemical Engineering Department - University of Nizwa

العضوية في الهيئات المهنية

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