

PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, Kanuru, Vijayawada.

Department of Freshman Engineering

Publications 2022-2023

SCIE Indexed:

1. Dr. Kavuri KSVA Satheesh, T. Krishna Sree Published “AB-DAM: attributebased data access model in block chain for healthcare applications” Multimedia Tools and Applications An International Journal, Volume-81, Issue-17 ISSN:1380-7501, Page No. 23567-23588, July 2022.

ESCI indexed:

1. Haritha Kiranmai Meduri, Y.Pavani published a paper”Chemical composition and biological effect of essential oils from pachygone ovata(poir.) Miers HOOK .F.& thomson oral biofilm bacteria and on the cell viability of raw 264.7 macrophages” Annals Of Phytomedicine-An International Journal, ISSN: 23939885, Volume:11, Issue: 1, June 2022, pp: 724-730.
2. Dr. P. Padmaja published a paper on Analytical and Numerical study of steady flow of thermo - viscous fluid between two horizontal parallel plates in relative motion N. Pothanna, P. Aparna, G. Sireesha and P. Padmaja, with ISSN 0975-8607, vol 13, no. 5 pp 1427-1441, Dec 30 th 2022.(Communications in Mathematics and Applications) (Web of Science).

Scopus Indexed:

i. Book Chapter:

1. Mrs. P. Lakshmi Lavanya published a chapter titled “Evaluation of Life skills in Youth” in the book Life skills in the Contemporary Education systems by NOVA science Publishers (International Publishers), 2023, ISBN 13:979-8-88697-704-2

ii. Paper publications:

1. Dr. N. Usha Rani, Dr. P. Pavani & P. T. S. R. K. Prasad Rao published a paper titled, “Green Synthesis of Manganese Oxide Nanoparticles Using Kigelia Africana (Lam.) Benth. Aqueous Root Extract and Influence on Chickpea (Cicer Arietinum Linn.) Seed Germination and Plant Growth”. Journal of Indian drugs, ISSN: 00194x, Volume: 59, Issue:4, pp. 34-39, April, 2022.
2. Dr. Srilakshmi Movva, Dr. Purnachandra Rao Alapati, Dr. Pawel Veliventi, and Dr. Maithreyi G, published a paper titled, “The Effect of Pre, While, and Post Listening Activities on Developing EFL Students’ Listening Skills”. Theory and Practice in Language Studies, ISSN 1799-2591, Vol. 12, Issue No. 8, pp. 1500-1507, August, 2022.
3. Prameela, M., Gangadhar, K., Reddy, G.J., published a paper titled, “MHD Free Convective Non-Newtonian Casson Fluid Flow Over an Oscillating Vertical Plate”. Partial Differential Equations in Applied Mathematics. ISSN: 2069-5837, Volume. 12, Issue. 5, pp. 2666-8181, June, 2022.
4. Mrs. M. Prameela published a paper on “Influence of Thermal Radiation on MHD Fluid Flow over a Sphere. Journal: Biointerface research in Applied Chemistry. Volume 12, Issue 5, 2022, 6978-6990.

5. Purnachandra Rao, Alapati., Raghuram., Mantri Venkata, Kalpana Devi G., and Subba Rao, V.V, "Submission to Subversion: An Analytical Study of Meena Kandasamy's 'When I Hit You: Or, A Portrait of the Writer as a Young Wife'". *Theory and Practice in Language Studies*, Vol. 12, No.11, pp. 2397- 2402, November, 2022. ISSN 1799-2591.
6. Dr. G. Sreedevi, K. V. Rao, G. J. R. P. Kumar, B. T. Rao, S Cole, published a paper titled "The Structural, Morphological, Optical and Photoluminescence Studies of Mn²⁺ Doped CdS/ Zn₃ (PO₄)₂ Nano Composites" in *Iranian Journal of Materials Science and Engineering*, ISSN : 17350808, Vol. 19, issue 4, December 2022, DOI: 10.22068/ ijmse.2574.
7. Dr. V. Sitamahalakshmi published a paper titled "Detection of Cardiac Arrhythmia Using Multi-Perspective Convolutional Neural Network for ECG Heartbeat Classification", *International Information and Engineering Technology Association*, ISSN: 15541053, Volume36, No.4, August 2022, pp. 629-634.
8. Dr. T. Preethi Rangamani published a paper titled "EFFICIENT EMPIRICAL ENVIRONMENTAL FORECASTING USING INTERNET OF THINGS AND MACHINE LEARNING ASPECTS" in *Journal of Theoretical and Applied Information Technology* on 15th December 2022. Vol.100.No 23, Page: 6874-6881, ISSN: 1992-8645.
9. Dr. V. Sitamaha lakshmi, G.Venkataramana Reddy & Bidemi Olumide Falodm published a paper titled Heat and Mass Transfer Effects on MHD Casson Fluid Flow of Blood in Stretching Permeable Vessel in *Journal of Applied Non-linear Dynamics* Volume 12 (1) January 2023 Page: 87-97, ISSN-2164-6457.
10. Dr. Shaik Rehena, Dr. A. S. Phanikumari, Dr. Mani Bacchu and Dr. A. Ramadevi published a research paper entitled "A Study on Enhancement of Language Competence Through Pragmatic Practices" in 'Theory and Practice in Language Studies' ISSN: 1799-2591, Vol. 13, No. 2, pp. 341-352, February, 2023. <https://doi.org/10.17507/tpls.1302.08>
11. Dr. P. Padmaja published a research paper titled "Uniform Flow of Viscous Fluid Past a Porous Sphere Saturated with Micro Polar Fluid" in *International journal of Biointerface Research in Applied Chemistry*, ISSN 2069-5837, Volume 13, Issue 1, Feb 2023, <https://doi.org/10.33263/BRIAC131.069>.
12. 3. Dr. V. Sita Maha Lakshmi published a research paper titled "Flow of Casson Nanofluid Past a Permeable Surface: Effects of Brownian Motion, Thermophoretic Diffusion and Lorenz Force" in *International journal of CFD Letters* Vol. 14, Issue 12 (2022) 111-125 ISSN: 2180-1363 31, December 2022. https://semarakilmu.com.my/journals/index.php/CFD_Letters/index.
13. Pavani Peddi, Nannapaneni Usha Rani and S. Lakshmi Tulasi, Green Synthesis of Bimetallic ZnO-CuO Nanocatalyst for the Hydro-dechlorination of 1, 2-Dichlorobenzene and 3-Chlorophenol. *Asian Journal of Chemistry*; Vol. 35, No. 3 (2023), 578-584. <https://doi.org/10.14233/ajchem.2023.26896>
14. Dr. N. UshaRani, Dr. P. Pavani & Dr. S. Lakshmi Tulasi published a research paper entitled "Green Synthesis And Characterization Of Co-Doped Zno Nanoparticles Via The Accumulation Of Cobalt Ion Onto Pistia (Pistia Stratiotes L.,) Plant Tissue And Its

Photocatalytic Activity Toward Organosulfur Pollutants” Rasāyan Journal Of Chemistry’
ISSN: 0974-1496 Volume-16, Issue-01, PageNo:398-406, March 2023
https://www.rasayanjournal.co.in/admin/php/upload/3885_pdf.pdf

15. Dr. N. UshaRani, Dr. P. Pavani & Dr. S. Lakshmi Tulasi published a research paper titled” Green Synthesis of Zinc Oxide Nanoparticles using Leaf Extract of Causonistrifolia (L.) and its Applications on Germination and Growth Enhancement of Mustard Seeds” Asian Journal of Chemistry ISSN:1861-4728 Volume:35 Issue:(4), PageNumbers:923–928 Mar.2023. https://asianjournalofchemistry.co.in/user/journal/viewarticle.aspx?ArticleID=35_4_18.
16. Dr. S. Lakshmi Tulasi, Dr. N. Usha Rani & Dr. P. Pavani published a research paper titled “Green Synthesis, Characterization and Environmental Application of Copper Oxide Nanoparticle obtained Using Aqueous Extract of Schrebera Swietenoides Roxb” Bulletin of the Karaganda University Chemistry Series, (Eurasian Journal of Chemistry) ISSN :26634872 Mrach.2023, ISSUE:109, Volume:(1), pp. 78– 89. <https://chemistry-vestnik.ksu.kz/apart/Onlinefirst/2023-109-1/1-23-2.pdf>.
17. Dr. S. Lakshmi Tulasi, Dr. P. Pavani & Dr. N. Usha Rani published a research paper titled “Impact of zinc oxide nanoparticles on Cajanus Cajan Linn. With special reference to germination, vegetative and biochemical aspects” Journal of Medical Pharmaceutical and Allied Sciences, ISSN:23207418 Jan.2023, ISSUE:12 VOLUME:(1), pp.5624–5629. https://jmpas.com/admin/assets/article_issue/1677778810JMPAS_JANUARY_-FEBRUARY_2023.pdf
18. Usha Rani N.a *Pavani P.a , Lakshmi Tulasi S.a & T. S. R. K. Prasad Rao P.b “Screening of aegialitis rotundifolia roxb. leaves for their antioxidant potential, polyphenol content and flavonoid content”, in Indian Drugs , ISSN : 0019462X, Volume No. 60 | Issue No.4 | Page No. 52-57, April 2023, Impact factor : 0.17, <https://doi.org/10.53879/id.60.04.12037> .

Others:

1. P. Lakshmi Lavanya published a paper on “Feministic approach and transformation of characters in the works of Nayantara Sahgal – Study Journal: Research Journal of English (RJOE) Volume 7, Issue 4, 2022, 2456-2696.
2. Dr. R. Chudamani published a paper “Comprehensive Study on impact of work from home against employee engagement and productivity in COVID-19 pandemic”, in Academy of marketing studies Journal, ISSN: 1528-2678, volume26, issue 6, 2022.
3. Dr. R. Chudamani published a paper “Sheaf representation of almost boolean algebras” in GIS Science Journal, ISSN: 1869-9391, Volume 9, Issue 10, 2022.

Patents Published:

1. Dr. Movva Srilakshmi & Mr. Rajesh Vemulakonda have filed and published a patent titled, ‘Web based Corrective Feedback Interactive Tool To Enhance Writing Skills In Intermediate Level L2 Engineering Students on 16/08/22 and 26/08/22 respectively.

Scopus Conference proceedings:

1. V. Amarendra Babu, Dr. V. Siva Naga Malleswari and K. Abida Begum published a paper of title “ $M\mathcal{B}J$ -Filters on Lattice Implication Algebras” in Journal of Physics: Conference Series (IOP Publishing), ISSN: 1742-6588, volume:2332 (2022) 012007, Doi:10.1088/1742-6596/2332/1/012007.