



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

Affiliated to JNTUK, Kakinada & Approved by AICTE, New Delhi.

Accredited by NAAC, NBA Tier-1 for CSE, IT, ECE, EEE & ME and “CPE” status by UGC.

Research & Development Cell

Details of R & D Accomplishments

Dept.: FED

A.Y.: 2022-23.

- No. of SCI publications :04
- No. of SCIE publications : 01
- No. of Scopus Publications :06
- No. of Papers in UGC/OA journals :01
- No. Papers in Conf. Proc. :03 National: 00 International:03
(IEEE, Springer, Elsevier, Science Direct, Taylor & Francis etc)
- No. of Patents : 00 Granted:0 Published:0
- No. of Books/Chapters Published : 00
- No. of Sponsored Research Works : 00 Projects: Other Grants:
- No. of Scholars awarded for Ph.D. :00
(Under supervision of our faculty)
- No. of Faculty awarded Ph.D. :00

Dept.	SCI	ESCI	Scopus-J	Scopus-C	Total	UGC/OA	Books	Chapters	Patents
FED	03	01	06	03	13	01	00	00	00

Details of SCI/SCIE Publications(03)

- “Impact of copper ions on physical, structural, spectroscopic, and dielectric properties of Bi₂O₃-CaO-P₂O₅-B₂O₃ glasses”, **S. Yusub**, Y. Chaitanya, A. Ramesh Babu, V. Aruna, N. Sree Ram, Ch. LingaRaju, Materials Chemistry and Physics, 290(1), 22nd August 2022, pp.1-10, 0254-0584.
- “Electrical and spectroscopic characteristics of B₂O₃-Bi₂O₃-Al₂O₃-MgO glasses alloyed with MnO”, **S. Yusub**, G. Krishna Priya, A. Ramesh Babu, N. Sree Ram, V. Aruna, Journal of Physics and Chemistry of Solids, 170(1), 22nd November 2022, pp:1- 11, 0022-3697.
- “Nonlinear radiation phenomena for Casson–Maxwell nanoliquid flow with chemical reactions”, K. Gangadhar, E.M. Victoria, **K. Bhanu Lakshmi**, A.J. Chamka, Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0(0), 20th September 2022, pp:1-11, 2041-3009.

Details of ESCI Publications (01)

- “Carcinogenic Chromium (VI) Sensing Using Transducing Characteristics of Fiber Bragg Grating and Physical Swelling of Hydrogel”, B. M. Pratima, **P. V. N. Kishore**, J. Ashok, M. Satyanarayana, P. Krishna Reddy, N. RajeswaraRao, D. Vijaya Lakshmi, Sensing and Imaging, 23(27), July-2022, pp:1-16, 1557-2064.

Details of Scopus Publications(06)

1. Electrical magneto hydrodynamic Jeffrey fluid flow with thermal radiation through stretched cylinder”, KothaGangadhar, M. Prameela, **KonduruBhanu Lakshmi**& Ali J. Chamkha, Waves in Random and Complex Media, July 2022,1-24, 1745-5030.
2. The Effect of Pre, While, and Post Listening Activities on Developing EFL Students’ Listening Skills”, SrilakshmiMovva, **V.Pawel**, Maitreyi.G, Theory and Practice in Language Studies, August 2022, 12(8), pp: 1500-1507, ISSN: 1799-2591.
3. “Development and Validation of a RP-HPLC Method for the Determination Atropine and its Impurities in Pharmaceutical Dosage Form as Per ICH Guidelines”, N. Venkateswara Rao, K. **Jamili Reddy**, PonnuriBharath, D. Ramachandran, Current Trends in Biotechnology and Pharmacy, 16(1), Aug-2022, ISSN: 2230-7303.
4. “Efficient Empirical Environmental Forecasting Using Internet Of Things And Machine Learning Aspects”, T PreethiRangamani, R Srinivasa Rao, P Sumalatha,**L Bhagya Lakshmi, ShahedaNiloufer, V Parvathi**, Journal of Theoretical and Applied Information Technology, 100(23), 15th Dec2022, pp.6874-6881, ISSN: 1992-8645.
5. “Image Segmentation Based On Tint Using Data Mining Techniques”, P Anil Kumar, Asha LathaBandi, B V N V Krishna Suresh, A. Jagadeeswara Rao, Ch Suresh Babu, **ShahedaNiloufer**, Journal of Theoretical and Applied Information Technology, Vol.101(10), 31st May 2023. Pp.4112-4118, 1817-3195.
6. “A novel approach for the production of O₂”, C. Srinivasa Reddy, P. Padmavathi, **V. Parvathi**, European Chemical Bulletin, 12(9), 28th, June,2023, pp.2213-2221, 2063-5346.

Details of papers presented and published in Conf. Proc.:(03) (IEEE, Springer, Elsevier, Science Direct, Taylor & Francis etc)

1. “Detection of chromium using polymer coated etched FBG”, **Aruna Naidu**, Y. Rama Krishna, VengalRao.P, Prathyush.A, **P.V.N.Kishore**, Materials Today:Proceedngs, 3rd, May 2023, 2214-7853.
2. “Effect of radiation parameters over skin friction on an unsteady convective heat and mass transfer flow”, **K. Jhansi Rani**, Ch.V.Ramana Murthy, AIP Proceedings, 2707, 9th May 2023, 03007-1 to 03007-11, 1551-7616.
3. “MHD influence on second order fluid flow over an inclined permeable bed”, **K.R.Kavitha**, and Ch. V. Ramana Murthy, AIP Proceedings, 2707, 9th May 2023, 03009-1 to 03009-13, 1551-7616.

Details of Open Access Publications (01)

1. “Authorship Collaboration pattern in university news - A weekly journal of Higher Education from 2013 to 2022: An Evaluation”, M.Doraswamy, **T. Sambasiva Rao**, University News, Vol.61, No.21 May 22- 28 , 2023, pp.9-16, 0566-2257.

Details of Faculty Secured Ph.D.

S.No.	Faculty with Designation	Date of Registration	Date of Awarding Ph.D.	Name of the University
1.	Dr.Aruna Naidu, Assistant Professor	06/01/2014	15/04/2023	Andhra University