

Paper Publications

Dr. Deepthi Jayan K.

- “Self-assembled Vapor-Transport-Deposited SnS Nanoflake-based Memory Devices with Synaptic Learning Properties”, Applied Surface Science, Elsevier, November 25, 2023
- “Novel Double graded perovskite materials for Performance increment of perovskite solar cell using extensive numerical analysis”, Physica Scripta, IOP Science, August 09, 2023
- “Synthesis Approaches of MXene based Polymeric Nanosystem for Electromagnetic Shielding Application- A Review”, Critical Reviews in Solid State and Materials Sciences, Taylor & Francis, October 07, 2023
- “Optimized High-Efficiency Solar Cells with Dual Hybrid Halide Perovskite Absorber Layers”, Energy & Fuels, ACS Publications, October 02, 2023
- “Effect of Halide Ion Replacement of RbGeX₃ Absorber Material on the Photovoltaic Performance of Pure Inorganic Perovskite Solar Cells”, Optical and Quantum Electronics, Springer, August 02, 2023

Dr. Ragin Ramdas M.

“Short review on self-healing perovskite Materials: Advances and Prospects”, Materials Letters, October 12, 2023

IPR Patents

Dr. Deepa K. Baby was granted a national patent for “Apparatus For Biodiesel Generation” (Patent No. 388302-001) on September 04, 2023

Resource Person

Dr. Sonia Paul served as a resource person for a session on “Importance of Technical English and Communication Skills for an Engineer” in IEEE-EBSCO Knowledge Feast, September 12, 2023

Awards/ Honours/ Fellowships

- **Dr. Anju C.** received Research Supervisorship in Chemistry from A P J Abdul Kalam Technological University, Trivandrum, specializing in Polymer Chemistry, on July 22, 2023
- **Dr. Ragin Ramdas M.** received Research Supervisorship in Chemistry from A P J Abdul Kalam Technological University, Trivandrum, specializing in Polymers & Functional Materials, on July 27, 2023
- **Dr. Rinku Jacob** has been granted a three-year extension as the Visiting Associate at IUCAA Pune, with effect from July 1, 2023

Programmes Attended

| Sl No | Name of Faculty | Conference / Seminar | Course | Workshop / Symposium | Training / FDP | Others |
|-------|----------------------|----------------------|--------|----------------------|----------------|--------|
| 1 | Sr. Alphonsa Thomas | | | | 1 | |
| 2 | Dr. Ragin Ramdas M. | | | 2 | 1 | |
| 3 | Dr. Anju C. | | | 1 | | |
| 4 | Dr. Deepthi Jayan K. | | | 1 | 1 | |
| 5 | Dr. Deepa K. Baby | 3 | | | | |
| 6 | Dr. Sonia Paul | 1 | | | 1 | |
| 7 | Mr. Rajeesh Rajkumar | | | 1 | | |
| 8 | Dr. Silvy Mathew | | | | 1 | |
| 9 | Ms. Saritha V | 1 | | | 1 | |
| 10 | Mr. Sujith S. | | | | 1 | |

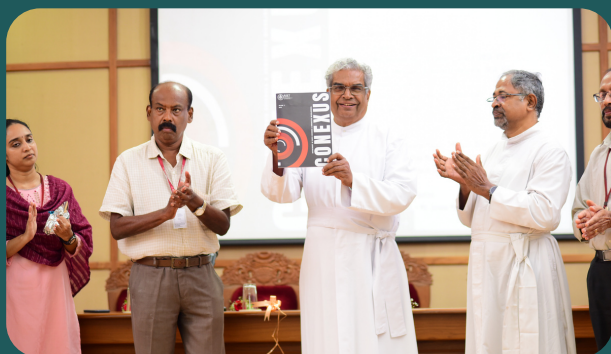
Programmes Organized

Faculty Development Programme- Introduction to LaTeX

On August 18, 2023, Dr. Rinku Jacob organized an FDP on Introduction to LaTeX, with Mr. Binu A, Assistant Professor, Department of Information Technology, RSET, serving as the resource person. The FDP empowered faculty members with foundational LaTeX skills, guiding them from basic to intermediate proficiency. This enabled participants to create, format, and structure documents using LaTeX, irrespective of their prior experience with the tool.

Talk on World Mental Health Day

On October 13, 2023, Dr. Silvy Mathew, Student Welfare Officer, in association with Speakers' Forum, organized a talk- "Let's Talk on Mind Matters" in connection with World Mental Health Day to spread the message of mental well-being and awareness among the students of the college.



Release of Microjournal CONEXUS

On July 21, 2023, the department microjournal CONEXUS was released by the director, Rev. Fr. (Dr.) Jose Kuriyath CMI. The microjournal aims to foster an interdisciplinary exchange of ideas and promote research across diverse fields of science and humanities.

Just a Minute (JAM)

On December 01, 2023, the discipline of English, in association with the Speakers' Forum, organized a JAM competition for the students. Ms. Janet Eldho of S1 CSB, Mr. Nithin John of S5 CSC, and Ms. Gayathri Binoj of S1 CSB secured the first, second, and third prizes respectively.

