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### Seminars/Workshops/FDP/ Conferences

Date	Paper Presented/ Participated	Title of the Paper	Title of Workshop/ Seminar/ FDP/ Conferences	Organized By	Type
06.08.24	Participated	-	Workshop on Nanotechnology and thin films	SRM Institute of Science and Technology	Workshop
22.07.24 - 30.07.2024	Participated	-	Seven Day National Level Inter-disciplinary Faculty Development Program	Department of Physics, Ethiraj College for Women	FDP

### Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Role of molar concentration in $\text{NiCo}_2\text{O}_4$ nanoparticles synthesis for supercapacitor applications	E. Merlin Arnold, P. Naveen Kumar, J. Antony Robinson, Bency P. Emmanuel, <b>J. Kethzy Agnes</b> , S. Padmaja, J. Merline Shyla	Materials Today Proceedings	2022	50	1	53-56
Hydrothermally synthesized $\text{NiCo}_2\text{O}_4$ nanostructures for energy storage applications	E. Merlin Arnold, J. Antony Robinson, <b>J. Kethzy Agnes</b> , S. Padmaja, P. Naveen kumar, J. Merline Shyla	Materials Today Proceedings	2021	47	9	2025-2029

Novel 1D TiO <sub>2</sub> nanocones for proficient charge transfer in photovoltaic thin films	S. Padmaja, Bency P. Emmanuel, <b>J. Kethzy Agnes</b> , E. Merlin Arnold, K. Pugazhendhi, J. Merline Shyla	Materials Today Proceedings	2021	45	2	1044-1049
Design and characterisation of 1-D titanium dioxide nanorod array as electron transport medium	<b>J. Kethzy Agnes</b> , S. Padmaja, Bency P. Emmanuel, E. Merlin Arnold, B. Praveen, K. Pugazhendhi, J. Merline Shyla	Materials Today Proceedings	2020	45	4	3911-3914
A Featural Analysis of Aluminium Doped SnO <sub>2</sub> and Bare SnO <sub>2</sub> Thin Films Grown on FTO Substrates	<b>J. Kethzy Agnes</b> , D.J. Sharmila, B. Praveen, K. Pugazhendhi, P. Navreen Kumar, J. Madhavan, J. Merline Shyla	Materials Today Proceedings	2019	8	1	207-213

**Others:**

1. Member of E-content development and website committee