

Name : Ms. K. Kousalya
Staff ID : RCAS03440
Designation : Assistant Professor
Department : Physics
Experience : 3 years
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ACADEMICS

Degree	Branch	Institution / University	Year of Completion
B.Sc.	Physics	PSGR Krishnammal College for Women	2020
M.Sc.	Physics	PSGR Krishnammal College for Women	2022

RESEARCH AND PUBLICATIONS

Journal Publications

K. Kousalya, R. Gopika, K. Gokulakannan, Exploration of CaZrO_3 Ceramic Composites as advanced materials for thermal barrier coatings, J. Nonlinear Anal. Optim. Vol. 15(2) (2024), 23-29.

K. Kousalya, M. Ishwarya, M. Surya, Advanced face Detection and Recognition, J. Nonlinear Anal. Optim. Vol. 15(2) (2024), 104-110.

K Kousalya, K Gokulakannan, R Gopika, Investigating Structural and Chemical Properties of Na_2TiO_3 Ceramics, Bulgarian Journal of Physics vol. 51 (2024) 176 –180.

K Kousalya, Dr. C. Dhanush, Dr. N. Bhuvaneshwari, Synthesis and characterization of CaTiO_3 Ceramics, Humanities and Social Science Studies, Vol. 12, Issue 2, No. 7, July – December: 2023.

K Kousalya, Dr. C. Dhanush, Dr. N. Bhuvaneshwari, Synthesis and Characterization of CaZrO_3 Ceramics, History Research Journal, Volume: 29, Issue: 05, No.5, September – October. 2023.

K Kousalya, Dr. N. Bhuvaneshwari, Synthesis and characterization of nickel oxide nanoparticles by chemical precipitation method, NIU International Journal of Human Rights ISSN: 2394 – 0298 Volume 9(XII), 2022.

Book Chapters

C. Dhanush, N. Bhuvaneshwari & K. Kousalya, Carbon dots nanomaterial and their multimodal applications, Recent Trends in Multidisciplinary Research (RTMR-2023).

K. Kousalya, N. Bhuvaneswari, W⁺ ion irradiation on BaSnO₃ ceramics, Recent Developments in Basic and Applied Sciences.

K. Kousalya, C. Dhanush & N. Bhuvaneswari, Properties and Applications of Ceramics, Emerging Trends in Multidisciplinary Research (ETMR).

N. Bhuvaneswari, K. Kousalya & C. Dhanush, Nanocrystals: synthesis and properties of metallic glass (ETMR)

Books

K P V Sabareesh, D Umamaheswari, C Dhanush, N Bhuvaneswari. “Essential technique unveiled: A novice researcher’s guide to fundamental characterisation”. CIIT Publishers, ISBN: 9788196694814 (2023).

Proceedings

K Kousalya, S Karthika, S Shanmuga Sundari, Antibacterial and Anticancer activity (PANC-1) of Green Synthesized Copper Oxide Nanoparticles from Catharanthus Roseus, International Conference on Futuristic Materials in Science and Technology (ICFMST-22) 21-22 December 2022.

R. Gopika, K. Kousalya, synthesis and characterization of CaZrO₃ Ceramics, Conference proceedings of "International e-conference on innovation in life sciences" (IECILS-2023).

K. Kousalya, S. Karthika, S. Shanmuga Sundari, Synthesis, structural and optical characterization of BaSnO₃ Ceramics, International Virtual Conference on Materials Research (IVCMR-22) 15-16th Sept 2022.

PRESENTATIONS

	State Level	National	International
Conference	-	-	3

PARTICIPATION

	State Level	National	International
Conference	-	1	-
Seminar	3	3	1
Workshop	-	1	-
Orientation	-	2	-
FDP/PDP	2	3	2