

The American College, Madurai
FACULTY PROFILE



Name : Dr.G.K.Priya Merline
Designation : Assistant Professor
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Email : priyamerline@americancollege.edu.in
Date of Joining : 21.06.2019
Department : Physics
Mobile :

I. Education Qualification:

Degree	Subject	College/University & Place	Year Completed
Ph.D	Physics	Anna University, Chennai	2019
M.Phil	Physics	Madurai Kamaraj University, Madurai	2007
M.Sc	Physics	The American College, Madurai	2006
B.Sc	Physics	The Yadava College, Madurai	2004

Specialization in Research:

Nonlinear optics, Crystal Growth, Nanomaterials

Research Interests:

Nonlinear optics, Crystal Growth, Nanomaterials

Any Other Work Experience:

Designation	Institution / Company	Year – From (month/year) To (month/year)
Assistant Professor	Jerusalem College of Engineering, Chennai	August 2006 to April 2018

Membership in Professional Bodies:

(Include Board of Studies/ journal/ article)

Positions held / currently holding in Professional Body	Year – From (month/year) To (month/year)
Member in the Indian Society for Technical Education (ISTE)	2011-Life time

Publications:

(List to be given with complete bibliography with impact factor if any) *mention: Peer Review Journals/ Non-Peer Review Journals/ e-Journals / Conference proceedings*

Articles Published in International Journals:

- A Paper titled "*Investigation on the crystal growth and characterization of an organometallic non-linear optical crystal - Antimony potassium tartrate*" was published in the Scopus indexed journal "**Optik**" (ISSN: 0030-4026)
- A Paper titled "*Investigation on optical, thermal, dielectric and mechanical properties of Antimony potassium tartrate on L-alanine single crystals*" was published in the Scopus indexed "*Journal of materials science materials in electronics*" (ISSN: 0957-4522)

Conference / workshop/ Seminar Presentations:

Name of the Seminar/Conference/Symposia Workshop etc.,	Name of the Sponsoring Agency	Title of paper	Institution, Place and Date
National conference on Advanced Material Science - 2015		Ab-initio studies of L-Alanine organic molecule	Jerusalem college of engineering, Chennai on 22 nd July 2015 (ISBN : 978-81-89843-73-1).
National Conference on Nanomaterials (NCN 2017)		<i>Dielectric and mechanical properties of a non linear optical crystal: Antimony potassium tartrate</i>	Arignar Anna Arts College, Namakkal on 20-21 st July 2017. (e-ISSN : 2348-4470)
National Conference NCRNR 2012		<i>Synthesis and Characterization of Strontium Titanate using chemical Solution Deposition Method</i>	Anna University, Madurai Region on 24-25th August 2012 (ISSN: 2229-712X)

Research activities of the student under guideship

Title	M. Phil / M.Sc/ B.Sc	Please tick if it is collaborative
Photocatalytic degradation of methyl orange dye in the presence of ZnO-Cr ₂ O ₃ nanocomposite	M.Sc	---
Green synthesis of iron nanoparticles	M.Sc	---