

FACULTY PROFILE

NAME	SHYNI P
DESIGNATION	Assistant Professor of Physics
QUALIFICATION	M.Sc. Physics, NET, Ph.D.
EMAIL ID	Shynip1981@gmail.com
TOTAL YEARS OF SERVICE	11
DATE OF JOINING IN THIS COLLEGE	03.09.2021
ADDRESS	Shyni Nivas, P.O. kadalundi



POSITIONS HELD IN COLLEGE

- Convener-Women cell
- Member-IQAC
- Member-NIRF
- Member in College Admission committee
- Member of Committee-CCSS UG
- Member-Academic master plan
- Member-Covid cell

TEACHING INTERESTS

Materials Science, Solid State Physics, Spectroscopy

RESEARCH AREAS

Materials Science, Thermoelectricity

RESEARCH GUIDESHIP AND CENTRE

RESEARCH CENTRE : Govt. Arts & Science College, Kozhikode

Ph.D GUIDED

SL.NO	NAME OF THE STUDENT	TITLE	UNIVERSITY & WORK CENTRE	MONTH/ YEAR
I				

RESEARCH PROJECTS/GRANTS/FELLOWSHIPS RECEIVED

SL.NO	TITLE	INVESTIGATORS	SPONSORING AGENCY	MONTH/YEAR
1				

MEMBERSHIPS IN BOARD/ ASSOCIATION/ PROFESSIONAL AFFILIATIONS

<ul style="list-style-type: none">• Board of Studies-Physics (2019-2022)
<ul style="list-style-type: none">• Board of Studies-Nanoscience (2016-2019)
<ul style="list-style-type: none">•

INVITED TALKS/IN MEDIA/ANY OTHER

<ul style="list-style-type: none">• Paper titled ‘Thermoelectrics for waste heat recovery’ in National seminar on Frontiers and developments in nanoscience from 23.11.2017 to 24.11.2017, PTM Govt. College, Perinthalmanna.
<ul style="list-style-type: none">• Paper titled ‘Morphological tuning of Bi₂Te₃ for thermoelectric applications’ in International conference on nanomaterials from 12.08.2022 to 14.08.2022, M G Univesity, Kerala
<ul style="list-style-type: none">•

JOURNAL PUBLICATIONS

SL.NO.	TITLE	NAME OF JOURNAL / VOL. NO / ISSUE NO / PAGE NOS	ISSN NO	MONTH / YEAR
1.	P. Shyni, P.P.Pradyumnan, Bi ₂ Te ₃ nanotubes and nanoplates for thermoelectric applications: Effect of surfactant on crystal	Materials Today: Proceedings, https://doi.org/10.1016/j.matpr.2022.06.170	Elsevier ISSN: 2214-7853	2022

	growth			
2.	P. Shyni, P.P.Pradyumnan, evolution of bi2te3 nanoflowers through an imperfect orient attachment	Spast Abstracts https://www.ictsgs.com/	vol. 1 no. 01 (2021): smart green connected societies	2022
3.	P. Shyni, P.P.Pradyumnan Effect of polar solvents on the growth, morphology and thermoelectric properties of Bi2Te3 nano particles	Physica E https://doi.org/10.1016/j.physe.2021.115072	Elsevier ISSN: 1386- 9477	2021
4.	P. Shyni, P.P.Pradyumnan Tuned Fermi Level and Improved Thermoelectric Performance in Bi2 Te3 Nanocomposites Reinforced with g-C3 N4 Nanosheets	ECS journal of solid state science and technology, 10, 2021,071017 https://doi.org/10.1149/2162-8777/ac147f	The electrochemical society 2162- 8769 (print); 2162-8777	2021
5.	P.Shyni and P.P. Pradyumnan, 'Fermi level tuning in modified Bi ₂ Te ₃ system for thermoelectric applications'	RSC Advances, 2021, 11, 4539 DOI: 10.1039/d0ra09278a	The Royal Society of Chemistry, 2046-2069	2021
6.	P. Shyni and P.P. Pradyumnan, 'Time- dependent Morphological Evolution of Bi ₂ Te ₃ Nanotubes - A Potential Material for Thermoelectric Applications',	ECS journal of solid state science and technology, 2020 (9) 105006 DOI: 10.1149/2162-8777/ abc6ee	The electrochemical society 2162- 8769 (print); 2162-8777 (web)	2020

7.	P. Shyni, P. P. Pradyumnan, P. Rajasekar, Aswathy M. Narayanan and Arun M. Umarji, ‘Graphitic carbon nitride-bismuth antimony telluride nanocomposites: A potential material for thermoelectric applications’,	J. Alloys. Compd. 853 (2020) 156872 DOI: 10.1016/j.jallcom.2020.156872	Elsevier ISSN: 0925-8388	2020
----	--	---	------------------------------------	------

CONFERENCE PUBLICATIONS

SL.NO.	TITLE	NAME OF CONFERENCE	VENUE, MONTH / YEAR
1.			
2.			
3.			

ARTICLES IN PERIODICALS/MAGAZINES/ANY OTHER

SL.NO.	TITLE	NAME OF PERIODICAL	MONTH/ YEAR

BLOG/WEB ARTICLES

SL.NO.	TITLE	URL	SUBJECT	MONTH / YEAR

BOOKS AS AUTHOR/EDITED/CHAPTERS/REVIEWS

SL.NO	TITLE	AUTHOR NAMES	ISBN NO.	MONTH/ YEAR
1.				

SEMINARS ORGANIZED

SL.NO	NAME OF THE SEMINAR	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	POSITION HELD	LEVEL *
1.					
2.					
3					

*state/national/international

MOOC COURSE CONDUCTED

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	LEVEL *
1.				
2.				

E-CONTENT DEVELOPED

SL.NO	SUBJECT	TOPIC	WEBSITE LINK
1.			
2.			

PAPER PRESENTATION AT STATE / NATIONAL/ INTERNATIONAL PROGRAMMES

SL.NO	TITLE OF THE PAPER	NAME OF THE INSTITUTION	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE
1.	P. Shyni and P.P. Pradyumnan, 'Morphological tuning of		Bose centre for basic sciences, Kolkata.	ICCFM 2018, from 13.12.2018 to 16.12.2018

	Bi ₂ Te ₃ for thermoelectric applications’			
2.	P. Shyni and P.P. Pradyumnan, ‘Effect of surfactant on morphological tuning of Bi ₂ te ₃ nanostructures’		Jawaharlal Nehru technical university, Hyderabad.	International conference on nano science and engineering applications (ICONSEA 2018) from 06.10.18 to 08.10.18
3.	P. Shyni and P.P. Pradyumnan, ‘Effect of nanostructuring and alloying on Bi ₂ te ₃ system for low grade waste heat recovery’		Farook College, Kozhikode.	International conference on Physics and chemistry from 04.03.20 to 05.03.20
4.	P. Shyni and P. P. pradyumnan ‘Tuned fermi level and improved thermoelectric performance in Bi ₂ Te ₃ nanocomposites reinforced with g-C ₃ N ₄ nanosheets’		SRM institute of Science nad technology, Chennai.	international conference on naoscience nad technology from 01.02.2021 to 02.02.2021
5.	P. Shyni and P. P. pradyumnan, ‘Bi ₂ Te ₃ nanotubes and nanoplates for thermoelectric applications: Effect of		Department of Physics and Nanotechnology and Department of Mechanical Engineering, SRM Institute Of Science And Technology.	International Conference On Advanced Materials And Mechanical

	surfactant on crystal growth'			Characterization (ICAMMC-2021)" (2- 4 December 2021)
6.	P. Shyni and P. P. pradyumnan, 'Tuned fermi level and improved thermoelectric performance in Bi ₂ Te ₃ /g-C ₃ N ₄ nanocomposites'		Department of Physics and Nanotechnology and Department of Mechanical Engineering, SRM Institute Of Science And Technology.	International Conference On Advanced Materials And Mechanical Characterization (ICAMMC-2021)" (2- 4 December 2021)
7.	Dineesh kumar M. P, Shyni P, and Praddepan Periyat 'Photocatalytic activity of TiO ₂ -tuning of energy gap through heat treatment'		Department of Physics and Nanotechnology and Department of Mechanical Engineering, SRM Institute Of Science And Technology.	International Conference On Advanced Materials And Mechanical Characterization (ICAMMC-2021)" (2- 4 December 2021)
8.	P. Shyni and P. P. pradyumnan, 'Evolution Of Bi ₂ Te ₃ Nanoflowers Through Imperfect Orient Attachment Growth'			International Conference in Technologies for Smart, Green, Connected Society 2021' 29-30 November 2021.

SEMINARS/CONFERENCES/WORKSHOPS ATTENDED

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	LEVEL *
1	Training workshop on Nano fabrication technology'	IISc Bangalore	13.02.15 to 16.02.15, IISc Bangalore	National
2	National workshop on foundations of statistical & quantum mechanics	SARBTM Govt. College, Koyilandy.	05.01.17 to 06.01.17, SARBTM Govt. College, Koyilandy.	National
3	National seminar on Science and technology of new materials for sustainable future	University of Calicut	07.02.2018 to 09.02.2018, Dept. of Physics, University of Calicut	National
4	National seminar on theoretical physics	PTM Govt. College, Perinthalmanna.	25.01.17 to 26.01.17, PTM Govt. College, Perinthalmanna.	National
5	National seminar on recent advances in materials science	T.M. Govt. college, Tirur.	T.M. Govt. college, Tirur.	National
6.	National seminar on 'Astrophysics & Astrophotography'	T.M. Govt. college, Tirur.	17.11.14 to 18.11.14, T.M. Govt. College, Tirur.	National
7.	National seminar on 'Recent trends in applied science with engineering applications'	Govt. Engineering College, Kozhikode.	27/6/13 to 29/6/13, Dept. of applied science, Govt.	National

			Engineering College, Kozhikode.	
--	--	--	------------------------------------	--

OTHER PROGRAMMES ATTENDED

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	LEVEL *
1.				
2.				

PARTICIPATION /DEPUTAED IN PROJECTS/EXTENDED ACTIVITIES INITIATED BY GOVERNMENT

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	PERIOD/DURATION
1.			
2.			

AWARDS/ACHIEVEMENTS/ POSITIONS/ OTHERS

SL.NO.	NAME OF AWARDS/ ACHIEVEMENTS/OTHERS	DESCRIPTION	MONTH/ YEAR
1.			

OTHER RELEVANT INFORMATION IF ANY