



Profile

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2. Date of birth : 30/05/1986
3. Designation : Assistant Professor
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Kanchampazhinji. P. O,
Thiruvananthapuram – 695525.
8. **Academic Profile** :

Qualification	Institution studied	Year	% of marks	Class	Rank if any
NET		2008		Pass	
MSc	St. Xavier's College, Thumba	2008	72.44	First Class	
BSc	St. Jude's College, Thoothoor	2006	83	First Class	
+2	MVHSS, Arumanoor	2003	84	Distinction	
PhD					
	Title of the PhD Thesis:				

9. **Entry into Service**

9.1. Date of entry into Government Service :08/01/2014

9.2. Date of entry into Collegiate Education Service :08/01/2014

9.3. Date of entry into Govt. Collegiate Education Service :08/01/2014

10.	Service Details:			
	Institution	Designation	From	To
1.	Govt. College, Kasaragod	Assistant Professor	08/01/2014	16/02/2014
2.	LWA	LWA	17/02/2014	08/12/2014
3.	KMM Govt. Women's College, Kannur	Assistant Professor	09/12/2014	01/06/2015
4.	Govt. Polytechnic College, Pala	Assistant Professor	02/06/2015	02/06/2016
5.	Govt. Arts College, Thiruvananthapuram	Assistant Professor	03/06/2016	Continuing

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11. Area of Research :Nanomaterials and devices

12. Date of joining in this institution : 03/06/2016

13. **Details of Participation in PEECS/ EDUSAT/ seminars/ conferences/ workshops/ All India Radio/ TV/promotion of gifted children etc. (year wise):**

13.1. Seminar/Workshop Coordination				
#	Topic	Venue	Funding agency	Year & Duration

13.2. Participation in Seminar/Workshop as Resource Person					
#	Organised by	Venue	Title/Area	Session Handled	Year & Duration

13.3. Participation in Seminar/Workshop as Paper Presenter				
#	Venue & Organised by	Title/Area	Title of the paper	Year & Duration
1.	Dept. of Instrumentation, Cochin University of Science and Technology	Advances in Scientific and Industrial Instrumentation	ZnO nanorod based fast UV detector: Fabrication & Characterization	2016 February 11 and 12

		(ASCII-2016)		
2.	Indian Institute of Science, Bangalore, India	Physics of Semiconductor devices (IWPSD-2015)	Improved photoresponse of epitaxially grown GaN/ZnO heterojunction	2015 December 7-9
3.	Dept. of Physics, Cochin University of Science and Technology	Energy Harvesting Storage and Conversion	Double transducing property of n-ZnO nanorod-p-GaN heterojunction	2015 February 5-7
4.	Indian Institute of Sciences, Bangalore	IUMRS-ICA 2013	Substrate surface dependence on orientation of electrodeposited ZnO nanorods	2013 December 16-20
5.	CSIR-NIIST, Thiruvananthapuram, CSIR-NIIST&Nanomission,DST	NanoIndia 2013	Electrodeposited vertically aligned ZnO nanorods for possible solar cell application	2013 February 19-20
6.	Centre for Nanoscience and Nanotechnology, Mahatma Gandhi University, Kottayam, India	The India-Israel Meeting on Materials science and Nanoscience IIMMN-2013	Efficient and reproducible dye degradation properties of TiO ₂ nanotubes	2015 December 7-9
7.	Amrita Centre for nanosciences& molecular medicine, Amrita Institute of Medical Sciences, Kochi, India	NANOSOLAR 2012: International Workshop on nanotechnology in solar and energy storage applications	Work function measurements of transparent conducting ZITO films by Kelvin Probe Microscopy	2015 February 5-7

13.4. Participation in Seminar/Workshop as Participant			
#	Venue & Organised by	Title/Area	Year & Duration
1	Cochin University of Science and Technology, Kochi, India	Energy Materials (EM-2014)	2014 December 4.
2	Cochin University of Science and Technology, Kochi, India	The second International conference on Optoelectronic Materials and Thinfilms for Advanced Technology (OMTAT 2013)	2013 January 3-5
3	Mar Athanasius College, Kothamangalam, India	Fundamentals of Powder diffraction and microstructural characterisation of materials	2012 February 6-7
4	SatyendraNath Bose National Centre for Basic Sciences, Kolkata	Advanced School on High Resolution X-ray techniques,	2011 December 14-15

		Atomic force microscopy and their	
5	IIT Bombay, Indian Nanoelectronics Users' Programme	6th INUP Familiarization workshop on nanofabrication technologies	2011 November 30-December 04
6	Cochin University of Science and Technology, Kochi, India	The third international conference on frontiers in Nanoscience and technology	2011 August 14-17
7	Cochin University of Science and Technology, Kochi, India	Preconference workshop held in connection with Cochin Nano 2011	2011 August 14-17
8	Dept. of Physics, Mar Ivanios college, Trivandrum, India	Lecture workshop on Quantum mechanics, Quantum field theory, Group theory and tensors	2007 August 1-3
9	Dept. of Mechanical Engineering, Govt. Engineering college, Barton Hill, Thiruvananthapuram, India	Nanotechnology- The technology of the future	2007 March 28
10	Dept. of Physics, St. Thomas College, Kozhencherry, India	Seminar on Recent trends in Applied Physics	2007 February 22-23

14. Publications of Books/Articles in Journals/Study Materials etc..

14.1. Publication – Books				
#	Title of the Book	Name of Publisher	ISBN No	Date/Year

14.2. Publication – Articles				
#	Title of the paper	Name of Journal/Book	ISSN/ISSBN No.	Date/Year
1.	Influence of exciton blocking layer in small molecule organic solar cells	Proceedings of the 2013 Spanish conference on Electron Devices: CDE 2013 in Institute of Electrical and Electronics Engineers (IEEE)	978-1-4673-4666-5	2013

14.3. Publication – Study Materials			
#	Title of the materials	Name of publisher/Agency	Date/Year

14.4.	Details of papers published in peer reviewed journals:				
	Paper Title	Journal Details (Year, Volume, Page Nos.)	Citation index	Impact factor	h index
1.	Fast UV sensing properties of n-ZnO nanorods/p-GaN heterojunction	Sensors and Actuators A:Physical (2016, 242, 116-122)		2.201	2
2.	Defect-assisted tuning of electroluminescence from p-GaN/n-ZnO nanorod heterojunction	Bulletin of Materials Science (2015, 38(4), 901-907)	1	0.895	2
3.	Vertically aligned ZnO nanorod array/CuO heterojunction for UV detector application	Physica status solidi (a) (2014, 211(11), 2493-2498)	4	1.61	2
4.	Comparative study on degradation and trap density-of-states of p type and n type organic semiconductors	SPIE Organic Photonics + Electronics (2014, 918519-918519-7)		0.2	2
5.	Degradation study and calculation of density-of-states in PTCDE-C8 channel layer from the electrical characteristics of thin film transistors	Journal of Applied Physics, (2014, 116(2), 024507)	2	2.101	2
6.	Room temperature deposited transparent p-channel CuO thin films transistors	Applied surface science (2014, 297, 153-1570)	17	3.150	2
7.	Growth of vertically aligned ZnO nanorods on various substrates by hydrothermal method	SPIE Nanoscience +Engineering (2010, 776606-776606-7)		0.2	2

15. Details of Awards/Recognitions if any:

	Year	Awards/recognition
1	2015	Best poster award in IC-EEE 2015 conference organized by Dept. of Physics, Cochin University of Science and Technology, Kochi, India in February 5-7 2015.
2	2012	Awarded the “Research fellowship in science for meritorious students” research fellowship from UGC.
3	2009	Gate qualified in Physics
4	2008	NET for lectureship qualified.

16. **Details of FIP if any:**

	Year	Details of FIP

17. **Details of major/minor projects if any:**

	Year	Project Title	Amount sanctioned

18. **Details of training programmes attended- Orientation, Refresher and other short term:**

	Year	Training programme attended	Period	Agency
1.	2008	Network Administration & Linux	30/01/2008 to 30/04/2008	Keltron IT Education, Kerala State Electronics Development Corporation Ltd, Thiruvananthapuram, India.
2	2000	Certificate course in Computer Fundamentals	10/04/2000 to 15/05/2000	Govt. Polytechnic, Neyyattinkara, India.

19. **Details of PhDs produced, if any:**

	Year	Title of PhD thesis	Name of Student

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20. **Research collaborations, if any:**

	Period	Details of collaboration	Collaborating agency

21. **Extension activities, if any:**

	Period	Details of activity
1	2009-2016	Student Member, Student Chapter Secretary, Treasurer etc. in SPIE-Society of Optics and Photonics

22. **Details of memberships in various bodies like Board of Studies/Academic Council/Senate/Syndicate/Editorial Boards etc.**

	Period	Membership details

23. **Details of positions held outside the college:**

	Year	Position held

24. **Details of service as examiners in various examinations:**

	Year	Name of exam	Details

25. **Any other:**

	Year	