



## FACULTY PROFILE

### Personal Details

Name	:	Rosmin John
Department	:	Physics
Designation	:	Assistant Professor
Educational Qualification	:	M.Sc., M.Ed. NET(Education),NET (Physics)
Area of Specialisation	:	Material Science
Email	:	<a href="mailto:rosminjohn@aloysiuscollege.ac.in">rosminjohn@aloysiuscollege.ac.in</a>
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### Academic Identity

Employee ID	:	716884
VIDWAN ID	:	677371
Orcid ID	:	0009-0007-2854-0091

### Research Parameters

Google scholar citations	:	38
H index	:	1
i10 index	:	1

### Education

Sl. No.	Degree	Institution/University	Year
1.	B.Sc. (Physics)	Assumption College, Changanacherry	2000-2003
2.	M.Sc.(Physics)	S.B. College, Changanacherry	2003-2005
3.	B.Ed. (Physical Science)	SJB College of Education, Nedumkunnam	2005-2006
4.	M.Ed.(Science Education)	Mount Carmel College of Teacher Education for Women, Kottayam	2006-2007
5.	SET(Physics)	LBS Centre	May 2007
6.	NET(Education)	University Grants Commission	June 2009

7.	NET(Physics)	UGC -CSIR	June 2011
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### Career Profile

Sl. No.	Institution/Organization	Designation	Period
1.	SJB College of Teacher Education,Nedumkunnam (SF)	Lecturer	2008-2010
2.	Mount Carmel College of Teacher Education for Women, Kottayam (M.Ed.-SF)	Lecturer	2010-2012
3.	St.Aloysius College , Edathua	Assistant Professor	2012 onwards

### Positions Held or Holding, if any

Sl. No.	Position	Period
1.	HoD Physics	June 2020 - October 2023
2.	NSS Programme officer	June 2015- May 2018
3.	Board Member,Cooperative society,St.Aloysius College, Edathua	2019 onwards
4.	Returning Officer,College Union Election 2024	October 2024
5.	Staff council secretary of College	June 2023 – May 2024
6.	Vice president ,College staff association	2018-2019
7.	Secretary of Aloysian Physics Alumni Association -‘Diamond Dual’	2017-2020
8.	Coordinator of Energy, Environment and Green Audit of St.Aloysius college Edathua	2021-2022 , 2022-2023
9.	Staff Adviser of College Union	2023-2024
10.	Staff Editor of College Magazine	2023-2024
11.	Physics Association President	2014-2015, 2019-2020
12.	College union election observer	October 2023
13.	Presidindg Officer,Three Tare Panchayat Raj Elections 2020	December 2020
14.	I Polling Officer,Kerala Legislative Assumbly Elections, 2021	April 2021
15.	Presiding Officer, Loksabha Election 2024	April 2024
16.	Done Covid-19 duty at Nedumkunnam Panchayat from 20/5/2021 to 21/6/2021	May, June 2021
17.	Executive member, PTA	June 2020 onwards
18.	Member, Internal complaint Committee/Anti-Harassment committee	2024-25,2025-26
19.	Member, Anti-Ragging committee	2024-25,2025-26
20.	Member, Discipline committee committee	2024-25,2025-26
21.	Interview board member of the post of Assistant Professor in Physics,St.AloysiusCollege,Edathua Conducted on 20 <sup>th</sup> May 2021	May 2021

22.	Interview board member of the post of Assistant Professor in Physics,St.AloysiusCollege, Edathua Conducted on 25 February 2021	February 2021
23.	Convenor of UGC and KSCSTE sponsored National Seminar on 'Recent Trends in Nano and Other Materials for Energy Efficient Devices',20-22 July 2017 at St. Aloysius College ,Edathua	July 2017
24.	Convenor of National workshop on 'Atomic Energy Awareness' conducted by Indian Association of Nuclear Chemists and Allied Scientists-Southern Regional Chapter(IANCAS-SRC) held on 3 <sup>rd</sup> February 2017 at St.Aloysius College,Edathua.	February 2017
25.	Convenor, Coral Jubilee celebrations of Department of Physics	January 2021
26.	Coordinator of Prof. Sabu Jacob memorial All Kerala Inter Collegiate Science Quiz competition	2013-2014,2014-2015,2018-2019,2024-2025
27.	Member, Purchase committee	2020-2023
28.	Alumnae Representative to the IQAC of Assumption College Autonomous, Changanacherry	June 2022 onwards

### Research Publications

Sl. No.	Publication Details
1.	Inorganic ferroelectric thin films and their composites for flexible electronic and energy device applications: current progress and perspectives, Jayakrishnan A.R.,Anuj Kumar,Sahana Druvakumar, Rosmin John,Meera Sudheesh, Venkata Sreenivas,Jose P.B, <b>Journal of Materials Chemistry C published by Royal Society of Chemistry</b> November 2022 <b>Impact Factor – 8.067</b> <i>J. Mater. Chem. C</i> , 2023,11,827-858 <a href="https://doi.org/10.1039/D2TC04424B">https://doi.org/10.1039/D2TC04424B</a>

### Books Published

Sl. No.	Book Details
	Published a hand book 'SAHAI- A Guide to domestic electricity consumers' for enhancing public awareness on the wise and smart usage of electricity on July 2019

### Invited Lectures/Paper Presentations in Conferences

Sl. No.	Conference & Presentation Details
1.	Presented a paper on "Life skill Education:A pathway to social sensitivity among Youth" in a UGC sponsored National Seminar on 'Education and social sensitivity' at St.Thomas Training College, Pala from 25-26 November 2010.

2.	Presented a paper on "Preparation and characterisation of metal sulphide MS (M=Pb,Cd,Zn) thin films in sol-gel matrix by spin-coating technique in UGC sponsored National seminar on 'Smart materials for a smarter world (SMSW-2012) 27-28 September-2012 at S.B. College , Changancherry
3,	Presented a paper on 'preparation and characterization of ZnS thin film sol-gel matrix by dip coating method' UGC and KSCSTE sponsored National Seminar on 'Recent Trends in Nano and Other Materials for Energy Efficient Devices',20-22 July 2017 conducted by St. Aloysius College ,Edathua
4.	Presented a paper on 'preparation and Characterization of Cd S thin film in sol-gel matrix' UGC and KSCSTE sponsored National Seminar on 'Recent Trends in Nano and Other Materials for Energy Efficient Devices',20-22 July 2017 at conducted by St. Aloysius College ,Edathua
5.	Presented a paper on 'Effect of Annealing Temperature on structural and optical properties of ZnS nanocrystals' at UGC and KSCSTE sponsored National Seminar on 'Recent Trends in Nano and Other Materials for Energy Efficient Devices',20-22 July 2017 conducted by St. Aloysius College ,Edathua
6.	Presented a paper on 'Synthesis and characterization of PbS thin films by chemical bath deposition method' in a National Seminar on 'Resent Innovations in Atmospheric science and space weather monitoring ' organised by NSS Hindu College Changanacherry on 19-20 July 2018 and
7.	Presented a paper on 'Effect of deposition time on structural and optical properties of PbS thinfilm in chemical bath method' in a National Seminar on Advances in Material science and Recent trends in Physics-Support and Opportunities on 20-22 August 2019 organised by NSS Hindu College, Changanacherry

### Seminar/Workshops Organized

Sl. No.	Title of the Seminar/Workshop	Funding Agency	Amount	Date
1.	convenor of National workshop on 'Atomic Energy Awareness' conducted by Indian Association of Nuclear Chemists and Allied Scientists-Southern Regional Chapter(IANCAS-SRC) held at St.Aloysius College,Edathua.			on 3 <sup>rd</sup> February 2017
2.	organizing secretary of UGC and KSCSTE sponsored National Seminar on 'Recent Trends in Nano and Other Materials for Energy Efficient Devices', at St. Aloysius College ,Edathua	UGC	200000	20-22 July 2017

### Research Projects

Sl. No.	Title of the Project	Funding Agency	Amount	Period
	<u>Minor Research Project undertaken</u> "Synthesis and characterization of Metal Sulphide Thinfilms in Sol-Gel Matrix by Spin – Coating method (MRP(S)/11 <sup>th</sup> plan/13-14/KLMG019/UGC-SWRO dated 15 <sup>th</sup> February 2014).	UGC	70000/-	2014-2017

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### **Awards/Achievements**

<b>Sl. No.</b>	<b>Details</b>	<b>Year</b>