

SHORT- PROFILE

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As the head of the Department of Electronics, I oversee academic programs, faculty, and research initiatives in the field of electronics. My role involves shaping the curriculum, fostering innovation, and ensuring that our department remains at the forefront of technological advancements. I work closely with a dedicated team to provide students with a comprehensive education in electronics, preparing them for exciting careers in this ever-evolving field.

Academic and Administrative Proficiency:

Sl.No.	Position	Nature of Job	From	To
1	Vice - Principal (Emmanuel College, Vazhichal, Thiruvananthapuram)	Discharging all kinds of Administrative works regarding academic and non academic matters in the Institution	04/06/2012	Present
2	Head, Department of Electronics (Emmanuel College, Vazhichal, Thiruvananthapuram)	Supervising all the academic and non academic matters in the department level and leading a group of tutors	04/06/2001	Present
3	Placement Officer (Emmanuel College, Vazhichal, Thiruvananthapuram)	Inviting leading companies to the college campus and conducting recruitment drive every year	18/04/2008	Present
4	Member, Board of Studies (Electronics), University of Kerala	Performed all the duties confined in Board of Studies in electronics	21/06/2006	22/06/2009

5	Nodal Officer, University of Kerala	Performing the duties as stipulated by the University of Kerala for the evaluation of answer books of UG and PG examinations	11/08/2017	20/10/2018
6	Convenor, College level monitoring committee, University of Kerala	Monitoring of all the activities in the institution	06/06/2013	Present
7	Resource Person, University of Kerala	Conducting workshops relating to Choice Based Credit and semester system as per the direction of University	09/03/2017	08/04/2019
8	Member, Syllabus Framing Board, University of Kerala	Framing the syllabus of biomedical engineering related disciplines in UG and PG level	21/06/2006	Present
9	Member, Examiners Board, University of Kerala	Conducting theory and practical examinations	20/07/2000	Present
10	Faculty Member, PG Department of Physics	Sharing expertise in AL Programming papers	01/07/2015	Present

Education:

Class/Degree	Board / Discipline	% Scored	Year of Passing
SSLC	Tamilnadu State Board	73.6	1990
HSC	Tamilnadu State Board	61.5	1992
B.Sc	Physics	64.3	1995
M.Sc	Electronics	67.6	1997
M.Phil	Electronics	59	2008
Ph.D	Electronics	Synopsis submission is progressing	

Courses, Seminars, Conferences attended:

1. Attended **Refresher course in Computer science** at UGC - Academic Staff College, University of Kerala from 07/06/2006 to 28/07/2006 and obtained Grade A
2. Participated in the orientation programme on **“the system of evaluation under choice based credit and semester system (CBCSS)”** on 10th February 2017, conducted by University Level monitoring Committee (ULMC), University of Kerala.
3. Successfully completed a certificate course on **“nanocomposites from laboratory concepts to high end applications”** conducted by the Department of basic Sciences and Humanities, Rajagiri School of Engineering and Technology (Autonomous) from October 1,2021 to March 12,2022
4. Participated in the international on-line workshop **“on academic writing - ethical issues”** conducted by Global Institute of statistical solutions from September 3rd to 5th 2022.
5. Participated in the **One Day Orientation Programme on Valuation of Answer Scripts** conducted by University of Kerala on 22/09/22 at All Saints College, Thiruvananthapuram.
6. Successfully completed a two weeks online workshop on **“website designing and digital marketing”** from 01/10/22 to 15/10/22
7. **“Influence of Al doping on ZnO gas detection”**, Paper presentation in an International conference Organised by Annamalai University, Chidambaram during 17 - 19, October 2022
8. Attended one day training program for placement officers held at Jimmy George Indoor Stadium, Thiruvananthapuram organised by Kerala Knowledge Economy Mission (KKEM) on 11th January 2023
9. A research paper entitled **Sol-Gel Dip Coated Cu-ZnO Thin Films: A Promising Platform for Diabetes Detection through breath analysis** was presented in an International Conference on "Traversing the Terrains of Multidisciplinary Research" hosted by Sree Ayyappa College for Women, Chunkankadai, Nagercoil, during **20th and 21st October 2023**

Publications:

- **C. RAJAN**, N.PASUPATHY, R. MURUGESAN, J.GOBINATH, *Crystallisation and surface Morphology following annealing using ZnO thin film*, Journal of Advances and Scholarly Researches in Allied Education Vol. 19, Issue No. 4, July-2022, ISSN 2230-7540
- **C. RAJAN**, N.PASUPATHY, R. MURUGESAN, J.GOBINATH, *Enhanced Acetone Gas Sensing Properties of Al-Doped ZnO Thin Films Developed by Sol-Gel Dip Coating Method*, Asian Journal of Chemistry; Vol. 35, No. 9 (2023), 2197-2202
- **C. RAJAN**, N.PASUPATHY, R. MURUGESAN, J.GOBINATH, *Enhanced Acetone Sensing Performance of Ag-Doped ZnO Thin Films for Non-Invasive Diabetes Detection*, International Journal of Pharmaceutical Research and Applications Volume 8, Issue 3 May-June 2023, pp: 3434-3442 ISSN: 2249-7781
- **C. RAJAN**, N.PASUPATHY, R. MURUGESAN, J.GOBINATH, *Copper Doped Zinc Oxide Thin Films Fabricated By Sol-Gel Dip Coating: Pioneering Diabetes Detection In Exhaled Breath*, IJCRT, Volume 11, Issue 10 October 2023, ISSN: 2320-2882

Honours and Awards:

- The best paper award for presentation is given to the paper entitled “**Influence of Al doping on ZnO gas detection**”, in an International conference Organised by Annamalai University, Chidambaram during 17 - 19, October 2022

Date of Birth: 25.05.1975

Languages known : English, Malayalam and Tamil

Karakonam
01/11/23

Yours truly

Rajan C.