



Government of Puducherry
Tagore Government Arts and Science College
 Accredited at "A" Grade by NAAC
Puducherry – 605008



Faculty Profile

1	Name			:	Dr. P Ravikumar		
2	Designation			:	Assisstant Profeser Of Physics		
3	Employee ID						
4	Date of Birth			:	19/08/1979		
5	Date of Joining in Regular Service			:	31.01.2019 as Asst. Professor (10/09/2012 as TGT)		
6	Mobile Number/ Phone number			:	9443261645		
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8	Academic Record			:			
	Degree	Branch	University		Class		
	M.Sc	Physics	Bharathidasan University		First		
	B.Ed	Physical Sciences	Pondicherry University		First		
	M.Phil	Physics	Bharathidasan University		First		
	Ph.D	Physics	Bharathidasan University		Highly Commended		
9	Awards/ Fellowships			:	NIL		
	Name of the award/ Fellowship		Year	Agency			
10	Publication 10			:	In Vancouver style		
I	Ravikumar P , Mohan R, Gayathri K, Murali Babu B, Ravichandran K, Devendran P, et al. Effective NH3 gas sensing at low ppm by ZnO films through improved charge carrier and adsorption: Single and dual doping with Al and Cu- a comparative study. Materials Science and Engineering: B. 2024 Oct 1;308.						
Ii	Ravikumar P , Ravichandran K, Sakthivel B, Begum NJ, Ravichandran AT. Fabrication of a novel SnO2:Al/ZnO:F bi-layer for opto-electronic applications. Journal of Materials Science: Materials in Electronics. 2013 Oct;24(10):4092–7.						
Iii	Ravichandran K, Ravikumar P , Sakthivel B. Fabrication of protective over layer for enhanced thermal stability of zinc oxide based TCO films. Appl Surf Sci. 2013;287:323–8.						
Iv	Ravichandran K, Anandhi R, Sakthivel B, Swaminathan K, Ravikumar P , Jabena Begum N, et al. Thickness dependence of FTO over-layer on properties of FTO/FZO bilayer. Materials and Manufacturing Processes. 2013 Dec 2;28(12):1322–6.						
V	Ravikumar P , Ravichandran K, Sakthivel B. Effect of Thickness of SnO2:F over Layer on Certain Physical Properties of ZnO:Al Thin Films for Opto-electronic Applications. J Mater Sci Technol. 2012 Nov;28(11):999–1003.						
Vi	Sundaresan B, Vasumathi A, Ravichandran K, Ravikumar P , Sakthivel B. Annealing effect on physical properties of spin coated ZnO films. Surface Engineering. 2012 Jun;28(5):323–8.						
vii	Ravichandran K, Suvathi S, Ravikumar P , Mohan R. Wide Band Gap Semiconductors: Preparation, Tunable Properties, and Applications. Handbook of Semiconductors: Fundamentals to Emerging Applications [Internet]. 2024 Jan 1 [cited 2025 Mar 6];40–53. Available from: https://www.taylorfrancis.com/chapters/edit/10.1201/9781003450146-4/wide-band-gap-semiconductors-ravichandran-suvathi-ravikumar-mohan						
viii	Devi NA, Ravikumar P , Devendran P, Mohan R, Ravichandran K, Veeralakshmi M, et al. Efficacy of Catharanthus roseus leaf and flower extracts mediated Ag incorporated ZnO nanoparticles for enhanced antimicrobial and antioxidant abilities: a comparative analysis. Appl						

	Phys A Mater Sci Process [Internet]. 2025 Feb 1 [cited 2025 Mar 6];131(2):1–10. Available from: https://link.springer.com/article/10.1007/s00339-024-08200-4		
ix	Devi NA, Jegatheesan A, Raj MSA, Sundari MM, Kajli SK, Srinivasan K, Ravikumar P et al. Cost-effective synthesis of zinc oxide/crab shell-derived chitosan nanocomposite: Insights into its biomedical applications. Int J Biol Macromol. 2024 Dec 1;283:137869.		
x	R, Ravichandran K, Kavitha P, Praseetha PK, Mohan R, Ravikumar P. Biocatalyst coupling with Mo-doped SnO ₂ nanoparticles for efficient photocatalytic dye degradation: An eco-friendly approach for environmental remediation. Biocatal Biotransformation [Internet]. 2024 [cited 2025 Mar 6];42(5):605–19. Available from: https://www.tandfonline.com/doi/abs/10.1080/10242422.2023.2289337		
10	Membership in Professional bodies	:	Nil