


Name	Dr.D.MADHAN		
Designation & Department	ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS		
Qualification	M.Sc., M.Phil., B.Ed., Ph.D		
Area of Specialization	NANOMATERIALS,NANO TECHNOLOGY, PHOTOCATALYTICACTIC ACTIVITY		
Date of Joining (KSR IET)	21-08-2017		
Experience (as on 01.06.2020)	Teaching: 11 years 09 months	Industry: 00	Others: 00
Number of Papers Published	National Journals : 01		International Journals : 5
Number of Papers Presented	National Conferences : 01		International Conferences : 2
Books Published	National Publisher : 01		International publisher : 00
Contact Details	E Mail: madhan14d@gmail.com Mobile: 99946 45240		

Publications (International Journals)

1. D.Madhan, M.Parthibavarman,P.Rajkumar and M.Sangeetha, “Influence of Zn doping on structural, optical and photocatalytic activity of WO₃ nanoparticles by a novel microwave irradiation technique”, **Journal of Materials Science: Materials in Electronics**, vol. 26, no. 9, pp. 6823-6830.
2. D.Madhan,P.Rajkumar, P.Rajeswaran,A.Sivarajan and M.Sangeetha, “One-step Synthesis, Characterization and Visible Light Photocatalytic Activity of Pure and Zn doped SnO₂ Nanoparticles”, **Applied Physics A**, vol. 120, no. 2, pp. 463-469,
3. D.Madhan, M.Sangeetha and P.Rajkumar,“Visible light photocatalytic activity of pure and palladium (Pd) doped SnO₂ nanoparticles by a one step facile route”, **Journal of Materials Science: Materials in Electronics**, vol. 28, no. 19, pp. 14453-14459.
4. P.Rajeshwaran,A.Sivarajan,G.Raja, D.Madhan and P.Rajkumar, “Effect of tungsten (W6+) metal ion dopant on structural, optical and photocatalyticactivity of SnO₂ nanoparticles by a novel microwave method”, **Journal of Materials Science: Materials in Electronics**, vol. 27, no. 3, pp. 2419-2425.

5. M.Sangeetha and D.Madhan, “Ultra sensitive molybdenum disulfide (MoS₂)/grapheme based hybrid sensor for the detection of NO₂ and formaldehyde gases by fiber optic clad modified method”, **Optics and Laser Technology. On line publication** vol. 127, July 2020, 10619 (on line).

Publications (National Journals)

1. Madhan, D & Rajkumar, P 2013 “Analysis of protective (Nano) film of Ocimum tenuiflorum (tulsi) extract by surface examination study” **Der Pharma Chemica.**

Publications (International Conferences) NIL

Publications (National Conferences) NIL

Books /Instruction materials/monographs published

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	ENGINEERING PHYSICS	Dr.J.C. KANNAN Dr.V.DEVABHARATHI Dr.D.MADHAN	CHARULATHA PUBLICATIONS, CHENNAI	2019-2020

Funded Research Projects

S.No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	--	--	--	--

Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

S. No.	Date		Topic / Title	Funding agency and Amount Sanctioned
	From	To		

1.			--	--
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Consultancy Activities (Industry)

S.No	Title of the Project	Name of the Company
1.	--	--

Training Offered

Membership in Professional Bodies

Indian Society for Technical Education (ISTE) - Life Member

Subject Links