




Bharathiar University

State University | "A++" Grade by NAAC | 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr K RAMACHANDRAN Professor Department of Physics Bharathiar University Tamil Nadu E-mail: rams@buc.edu.in Phone: 9994337145 Office Number: 0422-2428445	
Research Area <ul style="list-style-type: none">• Plasma Material Processing• CFD Modelling & Simulation• Heat Pipes• Low Temperature Plasma• Plasma Waste Treatment	Courses Teaching <ul style="list-style-type: none">• Mathematical Physics• Plasma Physics• Computational Fluid Dynamics
Research Experience:	Teaching Experience:
Research Credentials (as on July 2024 – Source: Google scholar) H-index: 21 Citations: 1557 i10-index: 33	
Patents : Granted: 1	
Publications Books/Chapters: 1	
Career Other Institutes 1. Designation : Assistant Professor Institution Name : Vellore Institute of Technology, Vellore Period : November 2005 - December 2008 2. Designation : Lecturer Institution Name : PSG College of Technology Period : May 1998 - October 2005 3. Designation : Professor Institution Name : Karunya Institute of Technology & Sciences Period : June 2009 - July 2013 4. Designation : Associate Professor Institution Name : Vellore Institute of Technology, Vellore Period : January 2009 - April 2009 At Bharathiar University 1. Designation : Professor Period : November 2016 - Till Date 2. Designation : Associate Professor Period : July 2013 - November 2016	
Education Ph. D. Subject : Physics Institution : Bharathiar University Affiliated University : Bharathiar University Year of Award : January 1997	



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Dr K RAMACHANDRAN , Professor , Department of Physics

M. Phil.

Subject : Physics

Institution : Bharathiar University

Affiliated University : Bharathiar University

Year of Award : January 1992

M. Sc.

Subject : Physics

Institution : Bharathiar University

Affiliated University : Bharathiar University

Year of Award : January 1991

B. Sc.

Subject : Physics

Institution : SRKV Arts & Science College

Affiliated University : Bharathiar University

Year of Award : January 1989

Projects

Research Guidance

Completed

M.Phil. - 2 Ph.D. - 2

On Going

Ph.D. - 4

Institutional Responsibilities

Principle Coordinator, Solar energy project

Period :Jan 2017 - Dec 2020

Nature of Responsibility :Establishment of solar power plants

Director, BU Business Incubation Forum

Period :Jan 2022 to Till date

Nature of Responsibility :To create ecosystem for Innovation and startups

Visits

1. Visiting Scientist (2005-08-31 - 2004-03-01)

Collaborations

1. Institute for Plasma Research, Gandhinagar -)
2. The University of Queensland, Brisbane, Australia -)

Publications

Books/Chapters - 1

1. Feasibility of Al₂O₃/water nanofluid in a compact loop heat pipe

Trends in Mechanical and Biomedical DesignSpringer Singapore, 467-483 (2021), ISBN: 978-981-15-4488-0 (January 2021)
E.N. Stephen, L.G. Asirvatham, K. Ramachandran, A.B. Solomon and P. RamKumar

Patents

Granted - 1

1. Method for Recovery of Metals from Metal Bearing Solid Wastes 01-1970 366880 Dr. K. Ramachandran, Mr. R. Saravanakumar, Dr. P.V. Anathapadmanabhan

