

Faculty Profile



Name : **Dr. V.M.GANDHIMATHI**
Designation : **Assistant Professor**
Department : **Physics**
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Education

Awarded Doctoral Degree (**Ph.D.**) in Physics (**Nonlinear Dynamics**) (2008) from the Department of Physics, Manonmaniam Sundaranar University, Tirunelveli-627012.

M.Sc. Physics (2002) from Sarah Tucker College (Affiliated to **Manonmaniam Sundaranar University**, Tirunelveli -627012).

B.Sc. Physics (2000) from Sarah Tucker College (Affiliated to Manonmaniam Sundaranar University, Tirunelveli -627012).

Teaching and Research Experience

Assistant Professor, University VOC College of Engineering, Anna University : Thoothukudi Campus, from August 2010 to Tilldate.

Senior Research Fellow in the DST project under Prof. M. Lakshmanan in Centre for Nonlinear Dynamics, Bharathidasan University, Tiruchirapalli-24 during August 2007 to October 2007.

Senior Research Fellow in the DST project under Prof. S. Rajasekar in Department of Physics, Manonmaniam Sundaranar University-12 during November 2004 to July 2005.

Junior Research Fellow in the DST project under Prof. S. Rajasekar in Department of Physics, Manonmaniam Sundaranar University-12 during October 2002 to October 2004

Research Interests / Area of Research / Achievements in research/ Projects/Collaborations

Nonlinear Dynamics-Stochastic and Vibrational resonances

Selected Publications (Journals/ Books) - recent 5 publications

V.M. Gandhimathi, S. Rajasekar and J. Kurths, Effect of shape of periodic forces on stochastic resonance, Int. J. Bifurcation & Chaos, Vol. 18, 2073-2088 (2008).

V.M. Gandhimathi and S. Rajasekar, Vibrational and stochastic resonances in two coupled overdamped anharmonic oscillators driven by an amplitude modulated force, Physica Scripta, Vol. 76, 693-698 (2007).

V.M. Gandhimathi, S. Rajasekar and J. Kurths, Vibrational and Stochastic Resonances in two coupled overdamped anharmonic oscillators, Phys. Lett. A, Vol. 360, 279-286 (2006).

V.M. Gandhimathi, K. Murali and S. Rajasekar, Stochastic Resonance with different periodic forces in overdamped two coupled anharmonic oscillators, Chaos, Solitons and Fractals, Vol. 30, 1034-1047 (2006).

V.M. Gandhimathi, K. Murali and S. Rajasekar, Stochastic Resonance in overdamped two coupled anharmonic oscillators, Physica A, Vol.347, 99-116 (2005).

Administrative Post held

First Year Coordinator from July 2014 to May 2015 in University V.O.C. College of Engineering, Anna University : Thoothukudi Campus.

Counsellor for Ladies Hostel from Sep-2015 to Tilldate.

Fine Arts Coordinator from Nov-2017 to Tilldate.

Coordinated TNPSC- Combined ans service Group IV Examination-2018 on 11.02.2018 in UVOCCE.

Coordinated Tamilnadu Uniformed Services Recruitment Board Common Recruitment for Group II-PC, Group II JW & Firemen-18 on 11.03.2018 in UVOCCE

Awards and Honors received

Awarded Gold Medal for securing First Rank in the M.Sc. Physics in the year April 2002 by the Manonmaniam Sundaranar University, Tirunelveli - 627 012.

Secured 8th rank in Mains - Physics and 10th rank in Part-II English in the B.Sc. Degree Examinations held in the year April 2000 by the Manonmaniam Sundaranar University, Tirunelveli-627 012, Tamil Nadu, India.

Membership List

Life time Member in **ISTE** Chapter