Dr. V MADHURIMA
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Date of Joining CUTN : 18.06.2012

Experience : Teaching: **22** years; Research: **19** years

Field of specialization : Experimental and computational Soft Condensed Matter, wetting studies.

Courses Taught : Modern Physics and Relativity, Electromagnetic Theory, Molecular Physics and Spectroscopy, Heat and Thermodynamics, Electricity and Magnetism, Classical Mechanics, Quantum Mechanics, Soft Condensed Matter, Microwave Physics, Physics of Art – among many others.

Number of research papers /Articles published:

Published	Journals	Seminars/ Workshops/ etc.,	Impact / H-index
International	43	35	11
National	5	10	--

Number of Books published : 4 (Chapters)

Conferences/seminars/workshops papers presented : National:32 International: 06

Research consultancy / projects : Completed: 2 Ongoing: 1

Guidance : M.Sc.Project: 24 Ph.D.: Completed 3; Ongoing 3.

Organizing the conferences/seminars/workshops : National: 22

Significant achievements: In addition to my research, I am interested in Physics pedagogy and women in science and have presented a few conference papers in the same. I have contributed to the initial planning and execution of four new Physics Departments in the last 15 years. I have been on various academic boards and have held various administrative positions.

Five Recent Publications:

1. "On the efficacy of dielectric spectroscopy in the identification of onset of the various stages in lactic acid coagulation of milk" J. Microwave Power and EM Energy, 54, 161-181 (2020)
2. "1D roughness driven depinning of self-assembly of liquid droplets" Langmuir, 35, 45, 4576–14585 (2019)
3. "Controlling breath figure patterns on PDMS by concentration variation of ethanol-methanol binary vapors" E.J.P (E) 4, 82 (2018)
4. "Evidence of anomalous behavior of intermolecular interactions at low concentration of methanol in ethanol-methanol binary system" Spec. Acta. A 188, 301-310 (2018)
5. "Study of H1 spin lattice relaxation and dielectric relaxation in Poly (propylene glycol) system" Materials Physics and Chem, 209, 16-22 (2018)

Link: https://sites.google.com/view/v-madhurima