



MADURAI KAMARAJ UNIVERSITY

(University with Potential for Excellence)

MADURAI-625 021



SCHOOL OF PHYSICS



PROFILE OF THE SCHOOL

The seed for the School of Physics of Madurai Kamaraj University was sown with the establishment of the Department of Physics in the post graduate extension centre of the University of Madras in 1962. This department was elevated to School of Physics in 1976. The school upholds great ideals and objectives. Academic programmes is in line with the university's best goals and curricula. The school is striving to be at the forefront of higher education and research in Physics. To add lustre to the golden phases of its history, recently School of Physics was awarded with the DSA programme.

The Thrust area of Research is Condensed Matter Physics

Special Assistance: Received Rs. 478 Lakhs including individual Project

UGC Support	DST Support
UGC-ASSIT, UGC-DRSPPhase-I-III UGC-DSA	DST-FIST DST-PURSE Phase I and Phase II

Constituent Department in School of Physics

1. Department of Computational Physics
2. Department of Laser Studies
3. Department of Physics
4. Department of Theoretical Physics

PROFILE OF THE FACULTY

Name and Designation	Photo	Specialization
Dr.V.Vasu Chairperson i/c Associate Professor and Head Department of Computational Physics vasumku@gmail.com Mobile: 9443796898		Thin films, Semiconductor Devices, Nanomaterials and nanotechnology
Dr. Sujin P Jose Assistant Professor Department of Computational Physics sujamku@gmail.com Mobile: 7806920005		Advanced materials for energy, environment and biomedical applications
Dr. V. Ramakrishnan Sr. Professor and Head (On lien to IISER, TVM) Department of Laser Studies vr.optics1@gmail.com Mobile: 9443918384		Raman Spectroscopy
Dr. K. Anitha Assistant Professor & Head i/c Department of Physics gkaani@yahoo.co.in Mobile: 95516 11625		Crystallography, Crystal Growth and Nanomaterials
Dr. K. Sethuraman Assistant Professor Department of Physics sethuraman_33@yahoo.com Mobile: 99445252309		Thin Films , Solar Energy Materials and Crystal Growth
Dr. S. Rajashabala Assistant Professor & Head i/c Department of Theoretical Physics rajashabala@yahoo.com Mobile:9962566827		Energy Harvesting Materials & Biosensor
Dr. Basherrudin Mahmud Ahmed Assistant Professor Department of Theoretical Physics abmahmed@gmail.com Mobile: 96001 51764		Quantum Information Theory

Highly qualified, well trained faculty members who fine-tune the students to the modern genre. Each student is given personal attention with respect to their strength and weakness.

COURSE OFFERED

M.Sc., M.Phil., and Ph.D.,

- ✓ Admissions to M.Sc., and M. Phil., courses are through written test. The selection is based on merit and reservation policy of the State Government.
- ✓ Syllabus is updated regularly for the benefit of students.
- ✓ From the current academic year number of intake for M.Sc. course is nearly doubled (from 20 to 36) to meet out the increasing demand and serve the student of rural background.
- ✓ Students are motivated to apply for summer and winter programs.
- ✓ M. Phil scholars are encouraged to present at least one paper in national/ international Conference and in peer reviewed journals
- ✓ Extraordinary students are monitored and they are helped to achieve higher marks and get through the exams like GATE, NET etc. by way of right guidance.
- ✓ The slow students are provided with special tutorial assistance and extra classes for the enhancement of their knowledge abilities
- ✓ Learning through computers, LCD and interactive board.



Weekly seminar by the M.Sc. students is a unique feature of our school.
The seminar performance is evaluated by all the course teachers

MAJOR EVENTS

Every year our School organize the Seminar/ Conference/ Workshop / Refresher courses sponsored by UGC/ DST



Refresher course on Experimental Physics supported by Indian Academy of Sciences (IAS), Bangalore. Eminent experimental scientist Prof. R. Srinivasan trained our

**BLESSED WITH THE PRESENCE OF INTERNATIONALLY
RECOGNIZED PROFESSORS' VISITS**



Prof. Smag



Prof. Michael Berry

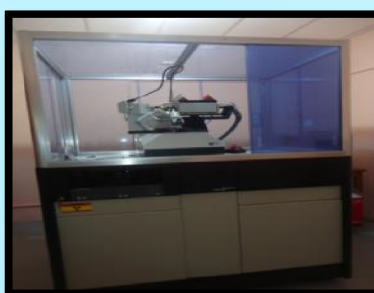


Prof. Y. Kawazoe

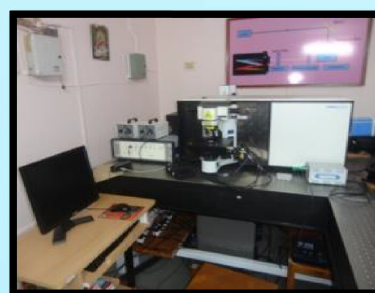
RESEARCH FACILITIES IN SOP



**Powder XRD
DST-FIST**



**Single Crystal XRD
DST-FISTUPE**



Micro Raman spectroscopy



**Spectrophotometer
UPE**



**Atomic Force Microscope
DST-PURSE**



**UV Spectrometer
UPE**



Spray Pyrolysis unit



Computer cluster



E beam Evaporation Unit

INFRASTRUCTURAL FACILITIES

On par with international standards, School of Physics houses an air conditioned hall with Smart Board facility to implement innovative teaching methodology.

To complement the learning process, a well-stocked and well maintained library catering to the needs of post graduate students and research scholars

1. Number of Books available in the School : 2000
2. Number of Books available in the Main library : 5000



Emphatically spacious and well-furnished class rooms, laboratories Research Labs with internet/Wi-Fi



Exotic, Well equipped seminar Hall – DRS Hall

Mineral Water Plant: To provide clean drinking water to the students and staff

Security: Safety of the students and staff is of high priority. The entry and exit to the campus are guarded by security persons.

FACULTY AWARDS AND ACHIEVEMENTS

Name of the Faculty	Award/ Fellowship
<i>Prof. V. Ramakrishnan</i>	Commonwealth Academic Fellowship, UK& Japanese Society for Promotion of Science (JSPS)
<i>Dr. S. Rajashabala</i> <i>Dr. Sujin P. Jose</i> <i>Dr. K.Sethuraman</i>	Raman Post-Doctoral Fellowship award (UGC)
<i>Dr. S.Rajashabala</i> <i>Dr. K.Anitha</i>	Indian National Science Academy (INSA) Visiting Scientist Fellowship

STUDENTS AWARDS AND ACHIEVEMENTS

Students of SOP earmarked their presence in the academic scenario - recipients of various fellowships like BASE (USA internships), DST-Inspire etc., CSIR-SRF, JRF & research positions in various national/international labs, Good performance in National Eligibility tests (NET/SET/GATE)



4TH NANO TODAY CONFERENCE
DECEMBER 6-10, 2015, DUBAI



SOCIAL AWARENESS MEETS -EMOTIONAL INTELLIGENCE

Enhancement of the knowledge of students through exploration and exposure to real -life experiences



OUR ALUMNI spread over well renowned national and international research institutes, universities and companies speaks of the professional and technical landmarks made by the School.

Dr. K. Kesavasamy ,The Global Head of TCS, Academic Interface Programme

Dr. S. Arunkumaran, Nanyang University, Singapore

Dr. S. Murugesh, Associate Professor, IIST, TVM

Dr. B. Sridhar, Scientist, IICT, Hyderabad

Mr. M. Saravanan, NPL, New Delhi

Mr. Rajesh Kannan, Scientist-C, ISRO, Hassan

Alumni Meet



EXTENSION ACTIVITY

PHYSICS & BEYOND, a one-day awareness programme was organized by our School on 15-3-2017 for the 8th and 9th standard students of all Government and *Government* aided schools in and around Madurai.



1. Outreach programmes by Faculty for the benefit of school / college students
2. Extension activities are conducted in the planetarium to inspire the younger minds towards science



The Sathangudi Village is adopted by School of Physics.



Faculty with villagers -Swachh Pakhwada 2017



An interesting interaction with the school students

ENVIRONMENTCONSCIOUSNESS



Students and staff are part of the CLEAN&GREEN CAMPUS movement of the university

CONTACT DETAILS

MAILING ADDRESS

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Madurai Kamaraj University
Madurai – 625021**

SCHOOL EMAIL ADDRESS

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