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**SWAP 2023**



**IFE**



**Three-day International Workshop /  
Summer School & Course preparation on**

**“Solar Water splitting and Artificial  
Photosynthesis” (SWAP) 2023**

**05- 07, June 2023**



**Venue: Madurai Kamaraj University**

**Website: [www.swap2023.mkuniversity.ac.in](http://www.swap2023.mkuniversity.ac.in)**

**Email id: [swap2023@mkuniversity.ac.in](mailto:swap2023@mkuniversity.ac.in)**

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**For Registration:**



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**SWAP 2023**



## About the Conference

This international Workshop / Summer School & Course preparation focuses on the conversion of solar energy into electrical energy using solar cells, chemical energy via photoelectrochemical (PEC) cells, fuel cells, artificial photosynthesis, and related materials as well as theoretical and experimental methods for the study of materials and devices. The program is designed in collaboration with Japan, France, Norway, and India. SWAP 2023 aims to provide a platform to young researchers on the latest developments in these topics and their prospects. The lectures and presentations at the SWAP 2023, will reflect the progress in the above-mentioned topics. The targeted participants are young faculty members, researchers, Ph.D. and Master Students. Participants can showcase their work in progress in oral and poster presentations, receive feedback/ suggestions on their projects and make valuable academic contacts in a brainstorming session. The participants can also get individual support combined with opportunities for informal dialogues with lecturers and peers. A short demo and training on solar cell characterization and electrochemical workstation station will be arranged for the participants to feel the real time performance of the devices.

The school is organized within the project "Complex of online and onsite lectures on materials for hydrogen generation by solar water splitting" (COOL LONGBOAT) funded by the Research Council of Norway.

### The lectures of the Summer School will include:

- Photo electrochemical solar cells (PEC) and their applications
- Photo catalysis and applications
- Artificial photosynthesis
- New materials for renewable energy applications
- Theoretical, experimental methods of materials and devices fabrication

### Speakers:

- Prof. Dr. J. Kumar, Vice chancellor, MKU, India
- Prof. Nicolas Alonso-Vante, University de Poitiers, France
- Prof. Truls Norby, University of Oslo, Norway.
- Dr. Athanasios Chatzitakis, University of Oslo, Norway.
- Dr. Smagul Karazhanov, IFE, Norway
- Prof. Hiroshi Kageyama, Kyoto University, Kyoto, Japan
- Dr. Santanu Das, Indian Institute of Technology (BHU), India
- Dr. Olena Zavorotynska, University of Stavanger, Norway
- Dr. S. Murugesan, Madurai Kamaraj University, India
- Dr. Sachin Maruti Chavan, University of Stavanger, Norway
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- Dr. G. Gnanakumar, Madurai Kamaraj University, Madurai, India
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- Dr. V. Sasirekha, Avinasingam Women's University, Coimbatore, India

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- Dr. S. Premkumar, VIT Vellore, India

Selected papers will be published in "materials today PROCEEDINGS"

Listed in the UGC care list S.No.17215, J.No. 49021

## Madurai Kamaraj University (MKU)



Madurai Kamaraj University is on its relentless journey for the past 53 years. The University came into being through a bill passed in the Legislative Assembly of the State in the year 1965. Thus, it is a statutory university owned and funded by the Government of Tamil Nadu and the University Grants Commission. This University is a member of Association of Indian universities and one of the nine universities in India with the status of University with Potential for Excellence. Currently it holds a total of 77 renowned Departments and 20 Schools. In addition to the Departments and Schools, the University has 21 academic centres and 21 quasi academic supportive units. It has 24 autonomous colleges, 14 aided colleges, 33 self financing colleges, 18 approved institutions, 4 evening colleges, 6 constituent colleges, and one university College catering to the higher education needs of a large number of students from rural and urban areas.

The Madurai Kamaraj University offers 41 post graduate, 35 M.Phil., and 17 Diploma / P.G. Diploma / Certificate courses in the various departments. Presently, 66 U.G. and 45 P.G. courses are offered in the affiliated colleges. At present 2428 students and research scholars are on the roll.

Eligibility: Students (PG, Ph.D.), early-stage researchers working in the relevant field only will be considered. (The participants are restricted to 100 persons.)

### Registration details:

Students/ Scholars: **Rs. 1000/-**  
Staff/ Industrials person: **Rs. 1500/-**  
Foreigners: **100 USD**

### Bank details:

Name: The organizing secretary SWAP 2023 and CP SOC  
Ac/ c No: 41854172790  
Bank: SBI MK University Branch  
IFSC : SBIN0002235

Name: **THE ORGANIZING SECRETARY  
SWAP 2023 AND CP SOC**

UPI ID: **SWAP2023@SBI**

SCAN & PAY



### IMPORTANT DATES:

Last Date for Registration and  
Abstract Submission: **25. 05. 2023**  
Acceptance Notification : **26. 05. 2023**

