

POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY
VIVEKANANDA COLLEGE

(Residential & Autonomous- A Gurukula Institute of Life Training)

College with Potential for Excellence

(Re -accredited with "A" grade (CGPA 3.59/4 on 3rd Cycle by NAAC)

Tiruvadakam West, Madurai -625 234, Tamil Nadu, India.

ONE DAY WORKSHOP
ON
VOLTAMMETRIC TECHNIQUES AND FLUORESCENCE SPECTROSCOPY
(Under DBT STAR College Scheme - 2022)

Invitation

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Organizes
One Day Workshop
On
"Voltammetric Techniques and Fluorescence Spectroscopy"
Under DBT-STAR COLLEGE SCHEME-2022
(23rd July, 2022- Saturday)

Organizing Panel

Swami Vedananda
SECRETARY

Swami Adhyatmananda
KULAPATHY

Dr. T. Venkatesan
PRINCIPAL

Mr. B. Servaramuthu
HEAD & DEPARTMENT COORDINATOR
DBT STAR COLLEGE SCHEME

Dr. G. Ponraj
COORDINATOR
DBT STAR COLLEGE SCHEME

Dr. A. Kannan
CONVENER

Dr. D. Thirupathi
ORGANIZING-SECRETARY

Mr. A. Dharmanandam
TREASURER

MEMBERS
Dr. M. Ganapathi
Dr. G. Rajkumar
Mr. M. Ragu
Dr. G. Balakrishnan
Dr. S. Ellaiaraja

Resource Persons

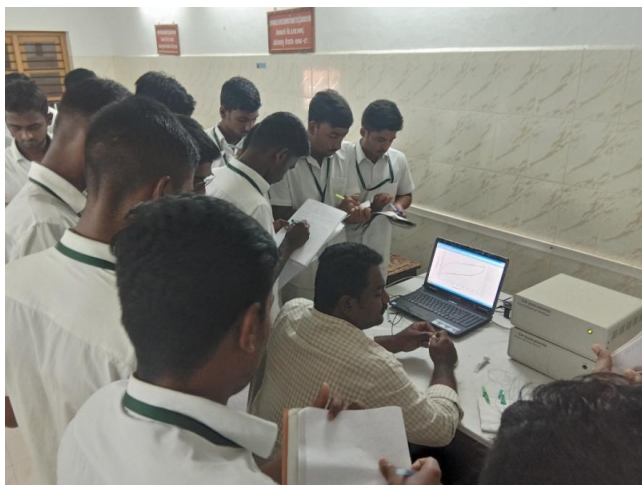
Dr. A. Manivel M.Sc., M.Phil., Ph.D.,
Assistant Professor
Department of Chemistry
Saraswathi Narayanan College
Madurai
Title1: Theory and Applications of Voltammetric Techniques
Title2: Hands on Training on Voltammetric Techniques

Dr. M. Arunachalam M.Sc., Ph.D.,
Assistant Professor
Department of Chemistry
The Gandhigram Rural Institute
Deemed to be University
Dindigul
Title1: New Trends in Fluorescence Spectroscopy: Applications in Supramolecular Science
Title2: Hands on Training on Fluorescence Spectroscopy

Photos







Report:

A one day workshop on “**Voltammetric Techniques and Fluorescence Spectroscopy**” funded by **DBT under DBT-STAR College Scheme** was organised on July 23, 2022 by Postgraduate and Research Department of Chemistry, Vivekananda College, Tiruvedakam West, Madurai. Dr.A.Kannan and Dr.D.Thiruppathi, convener and organising secretary respectively, scheduled this programme. The Inaugural session commenced at 9.45 a.m. with customary prayer “*Om sahanavavathu*” followed by welcoming the gathering by Dr.A.Kannan, Assistant professor of Chemistry and also he elaborated the gist and essence of hosting this programme. In his presidential address, Dr. T. Venkatesan, Principal, highlighted the importance of research skills in chemistry. It was followed by two Felicitation addresses. Dr.G.Ponraj, Associate Professor of Zoology cum DBT-Star Scheme Coordinator delivered the Felicitation address-I and the resource person Dr. A.Manivel, Assistant Professor of Chemistry, Saraswathi Narayanan College, Madurai delivered the Felicitation address-II, where the latter shared knowledge on instrumentation techniques for characterization of chemical substances.

In Technical Session-I, Dr. A.Manivel, Assistant Professor of Chemistry, Saraswathi Narayanan College, Madurai delivered a talk on “Theory and applications of Voltammetric Techniques”. In his speech he described the principles involved in electroanalytical techniques and their applications in drug delivery, electrochemical sensing, energy storage, electrocatalysis and so on.

In Technical Session-II, Dr. A.Manivel, Assistant Professor of Chemistry, Saraswathi Narayanan College, Madurai demonstrated the hands on experience on voltammetric techniques like linear sweep voltammetry and cyclic voltammetry. In addition he showed the voltammetric responses of reversible, irreversible and quasi-reversible systems.

In Technical Session-III, Dr. M. Arunachalam, Assistant Professor of Chemistry, Gandhigram Rural Institute-Deemed to be University, Dindigul delivered a talk on “New Trends in Fluorescence Spectroscopy: Applications in Supramolecular Science”. In his lecture, he highlighted the utilization fluorescence technique in supramolecular science.

In Technical Session-IV, Dr. M. Arunachalam, Assistant Professor of Chemistry, Gandhigram Rural Institute-Deemed to be University, Dindigul demonstrated the sampling and handling of

absorption and fluorescence spectrophotometers. In addition, he showed and explained absorption and emission spectra of porphyrin system to the students.

. An approximate of forty students (PG-all and UG-II year only), and the teachers of our departments attended this programme. Certificates were distributed to the participants. Vote of thanks was proposed by Mr.A.Dharmanandam, Assistant Professor of chemistry. Dr.D.Thiruppathi, Assistant Professor cum organising secretary chaired the Master of Ceremony. The meet dissolved with customary climax prayer “*Sarve Bhavanthu*”.
