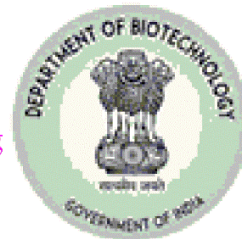


VIVEKANANDA COLLEGE

College with Potential for Excellence

Residential & Autonomous - A Gurukula Institute of Life-Training
Re-accredited with 'A' Grade (CGPA 3.59 out of 4.00) by NAAC
(Affiliated to Madurai Kamaraj University)



TIRUVEDAKAM WEST - 625 234, MADURAI DISTRICT, TAMIL NADU

POSTGRADUATE AND RESEARCH DEPARTMENT OF CHEMISTRY

Organizes

FIVE DAY "HANDS ON TRAINING ON RECENT ADVANCES IN CHEMISTRY"

Under the DBT STAR COLLEGE SCHEME

(15.03.2022 to 19.03.2022)

**Report of Hands on Training on “Recent Advances in Chemistry”
organised under the DBT Star College Scheme
(Intradepartmental Programme)**



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(15.03.2022 to 19.03.2022)

INVITATION

Date: 15.03.2022

Inaugural Function

Time: 10.30 a.m.

Venue : Commerce Smart Class Room

Prayer : Om Shanavavathu

Welcome Address : Sri B. Servaramuthu
Head and Assistant Professor
Department of Chemistry
Vivekananda College, Tiruvedakam West

Presidential Address : Dr. T. Venkatesan
Principal
Vivekananda College, Tiruvedakam West

Blessings : Swami Vedananda
Secretary
Vivekananda College, Tiruvedakam West

: Swami Adhyatmananda
Kulapathy
Vivekananda College, Tiruvedakam West

Felicitation : Dr. V. Parthasarathy
Vice-Principal
Coordinator, DBT Star College
Vivekananda College, Tiruvedakam West

Vote of Thanks : Dr. D. Thiruppathi
Convener
Assistant Professor of Chemistry
Vivekananda College, Tiruvedakam West

Prayer : Om Sarvebhavanthu

Master of Ceremony : Sri A. Dharmanandam
Assistant Professor of Chemistry
Vivekananda College, Tiruvedakam West

Resource Persons

Day - 1 (15.03.2022-Tuesday)

11.15 a.m. - 12.45 p.m.

Technical Session - I

Dr. N. Vasimalai

Assistant Professor of Chemistry (SG)
B.S.Abdur Rahman Crescent Institute of Science & Technology
Deemed University
Vandalur, Chennai - 600 048

Topic: "Silver Nanoparticles for Water Pollution Monitoring and Treatments"

02.00 p.m. - 03.30 p.m.

Technical Session - II

Dr. N. Vasimalai

Assistant Professor of Chemistry (SG)
B.S.Abdur Rahman Crescent Institute of Science & Technology
Deemed University
Vandalur, Chennai - 600 048

Topic: "Synthesis and Characterization of Nanoparticles"

Day - 2 (16.03.2022-Wednesday)

10.00 a.m. - 11.30 a.m.

Technical Session - III

Dr. N. Vasimalai

Assistant Professor of Chemistry (SG)
B.S.Abdur Rahman Crescent Institute of Science & Technology
Deemed University
Vandalur, Chennai - 600 048.

Topic: "Preparation of Batteries and its Applications"

Day - 3 (17.03.2022-Thursday)

10.00 a.m. - 11.30 a.m.

Technical Session - IV

Dr. P. Rajakannu

DST-Inspire Faculty
Department of Chemistry
Gandhigram Rural Institute
Gandhigram 624302, Tamil Nadu

Topic: "Ir(III) and Pt(II) based organometallic complexes for highly efficient OLEDs"

02.00 p.m - 03.30 p.m

Technical Session - V

Dr. P. Rajakannu

DST-Inspire Faculty
Department of Chemistry
Gandhigram Rural Institute
Gandhigram 624302, Tamil Nadu

Topic: "Design and Tuning the emission from Blue to Green to Red in Phosphorescent Materials"

Day - 4 (18.03.2022-Friday)

10.00 a.m - 11.30 a.m

Technical Session - VI

N. Lakshminarasimhan, Ph.D.

Principal Scientist & Associate Professor (AcSIR)
Electro-organic and Materials Electrochemistry Division
CSIR-Central Electrochemical Research Institute (CECRI)
Karaikudi - 630 003, Tamil Nadu, India.

Topic: "Photofunctional Materials"

11.40 a.m - 01.10 p.m

Technical Session - VII

Dr. V. Rajapandian

Assistant Professor of Chemistry
Sri Ramakrishna Mission Vidyalaya College of Arts and Science
SRKV Post, Periyanaickenpalayam
Coimbatore - 641 020

Topic: "Computer-Aided Molecular Design: An Overview "

02.00 p.m - 03.30 p.m

Technical Session - VIII

N. Lakshminarasimhan, Ph.D.

Principal Scientist & Associate Professor (AcSIR)
Electro-organic and Materials Electrochemistry Division
CSIR-Central Electrochemical Research Institute (CECRI)
Karaikudi - 630 003, Tamil Nadu, India.

Topic: "Fluorescence Properties of Inorganic-Organic Hybrid photofunctional Materials "

03.45 p.m - 05.15 p.m

Technical Session - IX

Dr. V. Rajapandian

Assistant Professor of Chemistry
Sri Ramakrishna Mission Vidyalaya College of Arts and Science
SRKV Post, Periyanaickenpalayam
Coimbatore - 641 020

Topic: "Molecular Modelling Tools"

Day - 5 (19.03.2022-Saturday)

10.00 a.m - 11.13 a.m

Technical Session - X

Dr.P.Kalimuthu

Assistant Professor
Department of Chemistry
The Gandhigram Rural Institute
Gandhigram 624302, Tamil Nadu

Topic: "Solar Water Splitting Using Novel Materials"

02.00 p.m - 03.30 p.m

Technical Session - XI

Dr.P.Kalimuthu

Assistant Professor
Department of Chemistry
The Gandhigram Rural Institute
Gandhigram 624302, Tamil Nadu

Topic: "Porphyrins and Perylenes for Hydrogen Production"

VALEDICTORY FUNCTION

Date: 19.03.2022

Time: 03.45 p.m.

Venue : Commerce Smart Class Room

Prayer : Om Shanavavathu

Welcome Address : Dr. D. Thiruppathi
Convener
Assistant Professor
Department of Chemistry
Vivekananda College, Tiruvedakam West

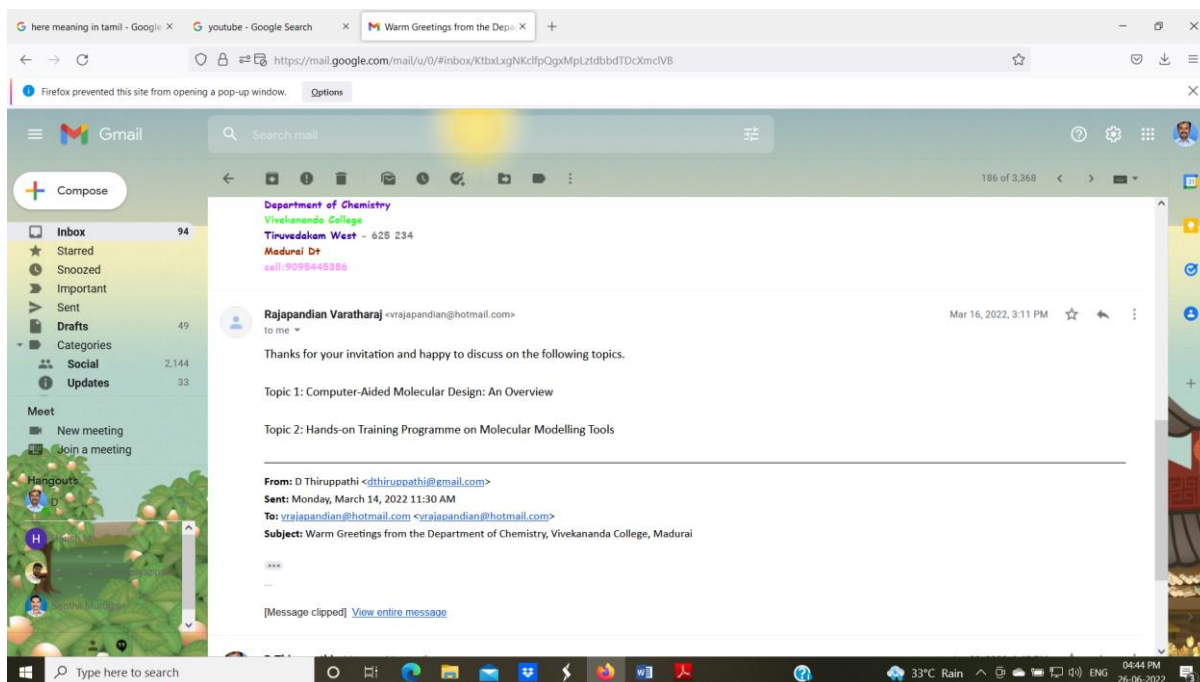
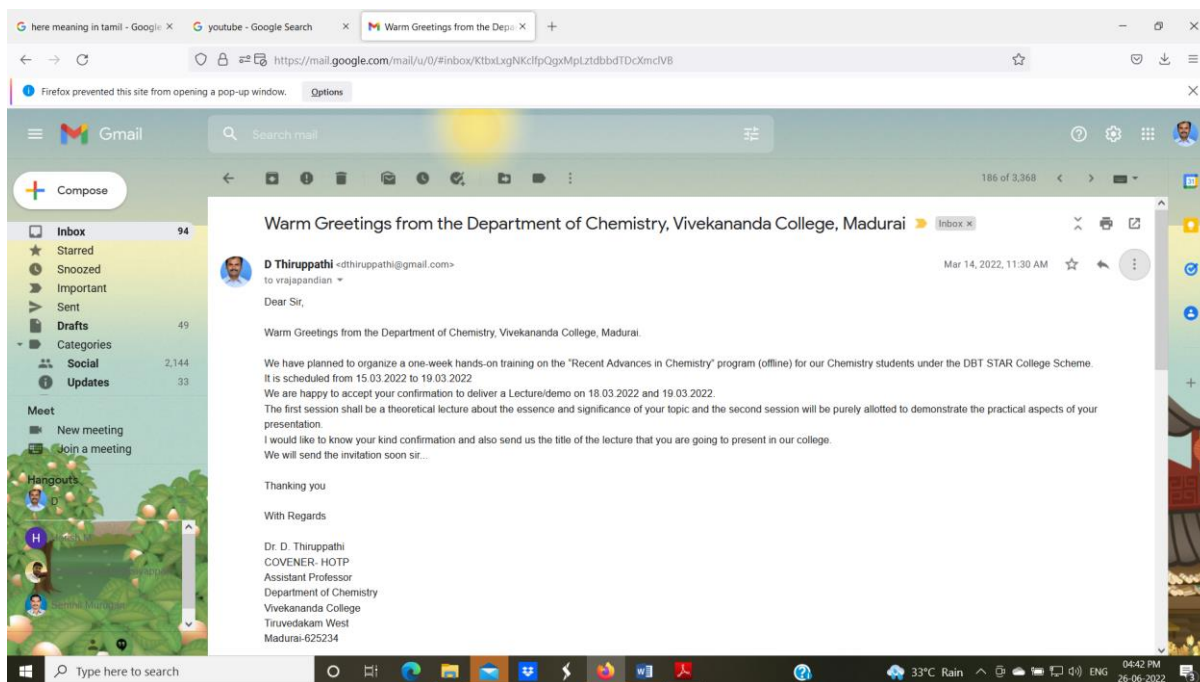
Presidential Address : Dr. V. Ramesh
Assistant Professor & Head
Department of Botany
Vivekananda College, Tiruvedakam West

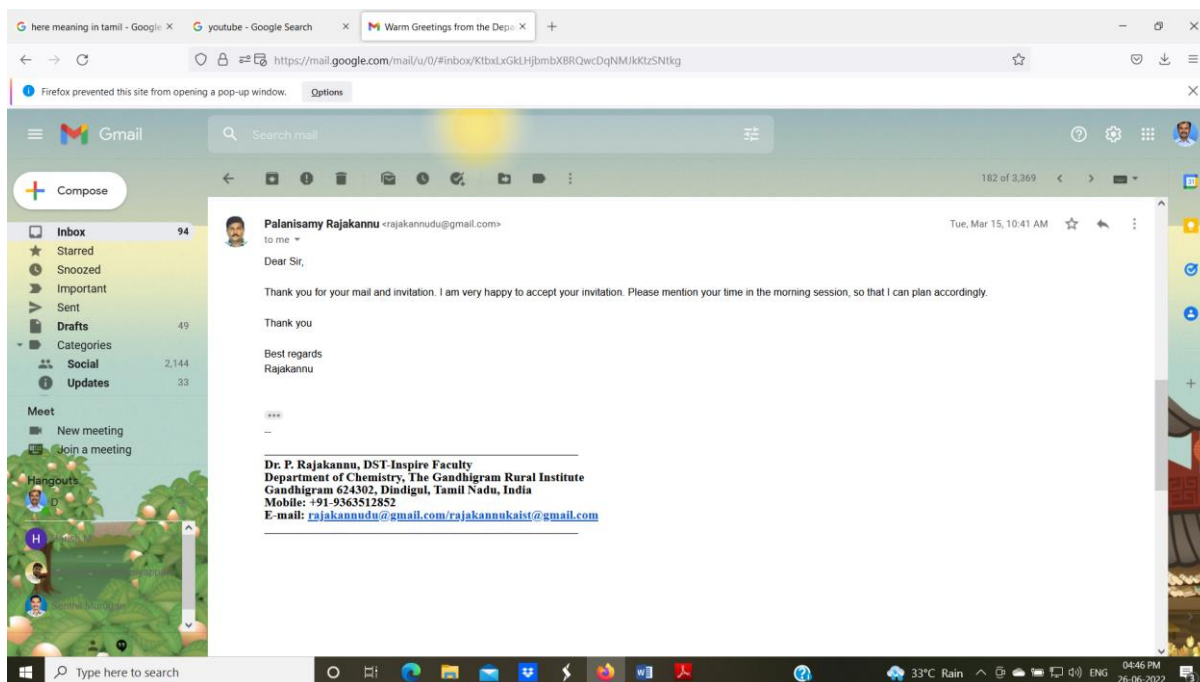
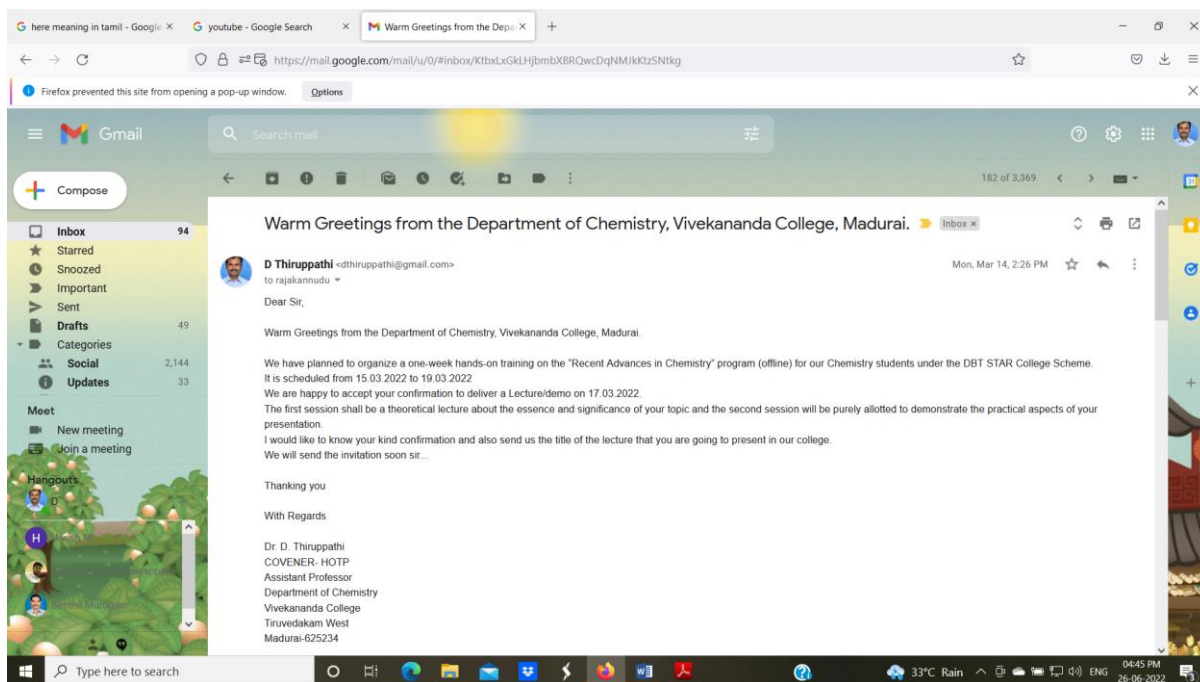
Vote of Thanks : Dr. S. Ellairaja
Organizing Secretary
Assistant Professor
Department of Chemistry
Vivekananda College, Tiruvedakam West

Prayer : Om Sarvebhavanthu

Master of Ceremony : Sri A. Dharmanandam
Assistant Professor of Chemistry
Vivekananda College, Tiruvedakam West

National Anthem



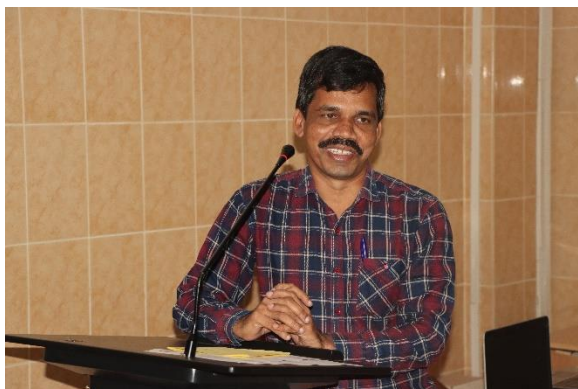


Report of Hands on Training on “Recent Advances in Chemistry” organised under the DBT Star College Scheme (Intradepartmental Programme)

Postgraduate and Research Department of Chemistry organised five days Hands on Training Programme for final year undergraduate students under DBT star college scheme on the topic “Recent Advances in Chemistry”, from 15th March 2022 to 19th March 2022 venue at Commerce Department Smart Class Room.

The inauguration of the Hands on Training on “Recent Advances in Chemistry” under DBT-Star College Scheme, commenced with the Prayer. Sri B. Servaramuthu, Head & Department DBT Coordinator welcomed the delegates. Dr.T.Venkatesan, Principal of the College in his presidential address congratulated the team for organizing this sort of Hands on Training on Recent Advances in Chemistry which is need of the hour and he also greeted the resource speakers and the participants. Dr.V. Parthasarathi, Vice Principal and Coordinator of DBT of our college, felicitated the gathering. The special address was given by the invited speaker, Dr. N. Vasimalai from B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai. Dr. D. Thirupathi, Convenor, Hands on Training programme, Assistant Professor proposed a vote of thanks.





Technical session-1 started with an invited talk delivered by Dr. N. Vasimalai, Assistant Professor of Chemistry (SG), B.S. Abdur Rahman Crescent Institute of Science and Technology, Deemed University, Vandalur, Chennai on the topic “Silver Nanoparticles for Water Pollution Monitoring and Treatments”. Dr. S. Ellairaja, Assistant Professor, Department of chemistry, chaired this session.

In technical session -2, Dr. N. Vasimalai from B.S. Abdur Rahman Crescent Institute of Science and Technology, Deemed University, Vandalur, Chennai on the topic gave the invited talk on the topic “Synthesis and Characterization of Nanoparticles”. Dr. D. Thirupathi, Convenor of this programme, chaired this session.



The second day of the Hands on training programme commenced with technical session - 3 with an invited talk given by Dr. N. Vasimalai from B.S. Abdur Rahman Crescent Institute of Science and Technology, Vandalur, Chennai on the topic “Preparation of Batteries and its Applications”. Dr. D. Thirupathi, Convenor of this programme, chaired this session.





The third day of the programme commenced with the technical session-4. Dr. P. Rajakannu. DST Inspire faculty, Department of Chemistry, Gandhigram Rural Institute, Gandhigram, Dindigul gave an invited talk on the topic “Ir(III) and Pt(III) based organometallic complexes for highly efficient OLEDs”. Dr. S. Ellairaja, Assistant Professor, Department of chemistry, chaired this session.



In Session -5 the invited speaker was Dr. P. Rajakannu. DST Inspire faculty, Department of Chemistry, Gandhigram Rural Institute, Gandhigram, Dindigul on the topic “Design and Tuning the emission from Blue to Green to Red in Phosphorescent Materials”. Dr. D. Thiruppathi, Convenor of this programme, chaired this session.



The fourth day of the Hands on training programme commenced with the technical session-6. Dr. N. Lakshminarasimhan, Principal Scientist & Associate Professor, Electro-organic and Materials Electrochemistry Division, CSIR-Central Electrochemical Research Institute (CECRI), Karaikudi gave an invited talk on the topic “Photofunctional Materials”. Dr. M. Ganapathi, Assistant Professor, Department of chemistry, chaired this session.

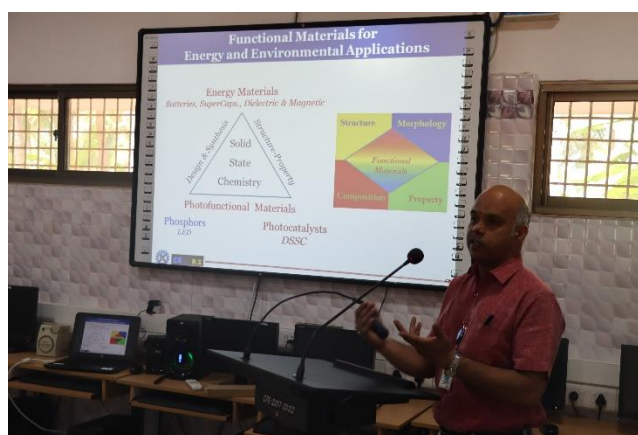


In Session 7, the invited talk was given by Dr. VRajapandian, Assistant Professor of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, SRKV Post,

Periyanaickenpalayam, Coimbatore on “Computer-Aided Molecular Design: An Overview”. Dr. D. Thiruppathi, Convenor of this programme, chaired this session.



In session-8, N.Lakshminarasimhan, Principal Scientist & Associate Professor, Electro-organic and Materials Electrochemistry Division, CSIR-Central Electrochemical Research Institute (CECRI), Karaikudi gave an invited talk on the topic “Fluorescence Properties of Inorganic-Organic Hybrid photofunctional Materials”. Dr. S. Ellairaja, Assistant Professor, Department of chemistry, chaired this session.



In technical session -9, Dr. V.Rajapandian, Assistant Professor of Chemistry, Sri Ramakrishna Mission Vidyalaya College of Arts and Science, SRKV Post, Periyanaickenpalayam, Coimbatore on the topic gave the invited talk on the topic “Molecular Modelling Tools”. Dr. D. Thiruppathi, Convenor of this programme, chaired this session.



In Session 11, the invited talk was given by Dr. P. Kalimuthu, Assistant Professor of Chemistry Gandhigram Rural Institute, Gandhigram, Dindigul on the topic “Porphyrins and Perylenes for Hydrogen Production”. Dr. D. Thirupathi, Convenor of this programme, chaired this session.



Valedictory session (19.03.2022 at 3.45 p.m)

Dr.D.Thiruppathi, Convener welcomed the delegates for the Valedictory session.

organizing committee member welcomed the delegates for the Valedictory session.

Dr. V.Ramesh, Assistant Professor & Head, Department of Botany, Vivekananda College delivered the valedictory address. In his address, He highlighted the importance of Hands on Training on “Recent Advances in Chemistry” and how it revolutionized the field of today research. He appreciated the hands on training programme for its success, and motivated the student community to utilize the hands on training programme as a platform in pursuing higher studies.



The invited speakers thanked Department of Chemistry, Vivekananda College for organizing Hands on Training on “Recent Advances in Chemistry” under DBT-Star College Scheme which provided a platform to discuss and interact with young and dynamic students. They also thanked the organizers for the wonderful hospitality.

The feedbacks received from the student participants majorly emphasized the fruitful scientific discussions with academics from miscellaneous background.