



# KONGU ENGINEERING COLLEGE

(Autonomous)

THOPPUPALAYAM (PO) PERUNDURAI - 638 060 ERODE (Dt)

TAMILNADU INDIA

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)



**Dr.A. GEETHA**  
**HOD/CHEMISTRY**

Ref: KEC/CHE /Academy SEP-Lecture Workshop-2022

29.04.2022

To

Shri C.S.Ravi Kumar  
Science Academies Education Programme  
Indian Academy of Sciences  
C. V. Raman Avenue, Sadashivanagar  
Bangalore 560 080.  
[sep@ias.ac.in](mailto:sep@ias.ac.in)

Dear Sir,

Sub: Submission of UC and Statement of expenditure for Lecture Workshop Grant  
received – reg.

I am herewith submitting the Brochure, Agenda, Programme schedule, UC, Statement of Expenditure, Report, Bills and the Participants list for the Indian Science Academies' sponsored Two Days Lecture Workshop (Virtual Mode) on **“NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS”** organized by Department of Chemistry, Kongu Engineering College, Perundurai , Erode Dt. 638 060 on 08 and 09<sup>th</sup> April 2022. This is for your kind perusal. Kindly release the amount for the same.

Thanking you

Yours sincerely

Dr. A.GEETHA  
(Coordinator)



Indian Academy of Sciences, Bengaluru  
Indian National Science Academy, New Delhi  
The National Academy of Sciences India, Prayagraj

## SCIENCE ACADEMIES' EDUCATION PROGRAMME

P.B. No. 8005, C.V. Raman Avenue, Sadashivanagar Post, Bengaluru 560 080.  
Telephone: (080) 2266 1207, 2266 1210, Fax: (080) 2361 6094  
Email: sep@ias.ac.in Website: www.ias.ac.in

### JOINT SCIENCE EDUCATION PANEL

#### Indian Academy of Sciences

P K Das (Chairman)  
D G Kanhare (Co-Chairman)  
Suvendra N Bhattacharyya  
Amitabha Chattopadhyay  
Nitin Chattopadhyay  
Arun K Grover  
Indranil Manna  
M R N Murthy  
C Narayana  
Sourav Pal  
Dhananjai Pandey  
T Pradeep  
K N Raghavan  
G Rajasekaran  
Pulak Sengupta  
Annapurni Subramaniam

#### Indian National Science Academy, New Delhi

Madhu Dikshit  
I B S Passi  
Diptiman Sen  
K D Sen

#### The National Academy of Sciences, India, Prayagraj

V P Dimri  
Paramjit Khurana  
Swapan K Ghosh  
Gadadhar Misra

#### Contact Address

C S Ravi Kumar  
Coordinator,  
Science Education  
Programme  
Indian Academy of Sciences  
P.B. No. 8005  
C.V. Raman Avenue  
Sadashivanagar P.O.  
Bengaluru 560 080, India

#### Telephone:

91-80-2266 1207  
91-80-2266 1210  
Fax: 080-2361 6094

#### Email:

sep@ias.ac.in

SEP/LW/2022

20 December 2022

Dr A. Geetha  
Associate Professor & Head  
Dept. of Chemistry  
Kongu Engineering College  
Perundurai  
Erode 638 060

Sub: Virtual Lecture Workshop on "New Vistas in Chemistry and its Applications" at Kongu Engineering College, Perundurai during 08-09 April 2022.

Dear Madam,

Thank you for submitting the proposal for conducting the virtual Lecture Workshop on "New Vistas in Chemistry and its Applications" at Kongu Engineering College, Perundurai during 08-09 April 2022. With adherence to that the budget of Rs. 21,000/- (Rupees Twenty-one Thousand only, capital items ie., webcam, microphone etc. will not be paid by the Academy) has been approved by the Academy.

After the completion of the Workshop we need the following:

1. a brief report of the workshop
2. time-table of the workshop
3. Statement of receipts and payments certified by finance personnel of your institution or a Chartered accountant.
4. Detailed statement of accounts (in the prescribed format) along with copies of vouchers/bills.
5. Utilization certificate as per GFR 19A (enclosed)

Please settle all the claims at your end and send us the final expenditure statement for releasing the amount.

We wish the Workshop all success.

With regards,

C S Ravi Kumar

Coordinator, Science Education Programmes

Please find below a note about the 75th year of Indian independence (Azadi ka Amrut Mahotsav). We would like you to include this note in all the publication material about the workshop. You might even consider displaying this prominently at the venue.

The Science Academies have been supporting two/three-day lecture workshops and fifteen-day refresher courses on topics of current interest throughout the country. All the programmes conducted by the Joint Science Education Panel of the Academies are fully supported by the Department of Science and Technology, GoI. DST has undertaken a series of activities to mark 75 years of India's Independence (Azadi ka Amrut Mahotsav). The Mahotsav is a series of S&T programmes and events to be organised to commemorate the 75th anniversary of India's Independence. The curtain raiser activities began from 12 March, 75 weeks prior to 15 August 2022. The lecture workshops/refresher courses are part of the series in these programmes. The Academy will also organize periodic lectures by eminent scientists. These programs will be adequately expanded in the celebration of the 75 years of Indian Independence.





## SCIENCE ACADEMIES' LECTURE WORKSHOP

ON

“NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS”

8<sup>th</sup> & 9<sup>th</sup> April 2022

(VIRTUAL MODE)



ORGANIZED BY

### DEPARTMENT OF CHEMISTRY

SCIENCE AND HUMANITIES

KONGU ENGINEERING COLLEGE

(AUTONOMOUS)

PERUNDURAI - 638 060, ERODE, TAMILNADU



## AGENDA

### DAY-1

(08.04.2022)

Session	Lecture Topic	Speaker
Session I		
09:30 am - 10:00 am	Inauguration	
10:00 am - 11:15 am	The usefulness of inorganic coordination chemistry in the design and discovery of new materials - I	Dr. S. NATARAJAN
Session II		
11:45 am - 01:00 pm	Nanoscience & Nanotechnology	Dr. R. RAMARAJ
Session III		
02:00 pm - 03:15 pm	The usefulness of inorganic coordination chemistry in the design and discovery of new materials - II	Dr. S. NATARAJAN

### DAY-2

(09.04.2022)

Session	Lecture Topic	Speaker
Session IV		
10:00 am - 11:15 am	Vander wall's Solids	Dr.V. SUBRAMANIAN
Session V		
11:45 am - 01:00 pm	The Art of Domino Synthesis	Dr.S. BASKARAN
Session VI		
02:00 pm - 03:15 pm	Hydrogen Bonding Interactions	Dr.V. SUBRAMANIAN
03:15 pm	VALEDICTORY	Dr.V. SUBRAMANIAN

## RESOURCE PERSONS



**Dr. R. RAMARAJ, FNA., FASc., FNASc.,**

Professor of Eminence & DAE Raja Ramanna Fellow  
(Professor & Head (Retd.), Dept. of Physical Chemistry)  
School of Chemistry  
Madurai Kamaraj University  
Madurai-625021



**Dr. S. NATARAJAN, FNA., FASc., FNASc., FRSC,**

Professor  
Framework Solids Laboratory  
Solid State and Structural Chemistry Unit  
Indian Institute of Science  
Bangalore-560012



**Dr.S. BASKARAN, FNA., FASc.,**

Professor  
Department of Chemistry  
Indian Institute of Technology Madras  
Chennai-600036



**Dr.V. SUBRAMANIAN, FASc., FNASc.,**

Chief Scientist  
Head & Professor-AcSIR  
Centre for High Computing  
CSIR-Central Leather Research Institute  
Adyar, Chennai-600 020

### ABOUT SCIENCE ACADEMIES

Indian Academy of Sciences (IAS), Bangalore founded in 1934 by Sir C.V. Raman, aims at promoting the progress and upholding the cause of science in the pure and applied branches. Its major activities include publication of scientific journals and special volumes, organizing meetings of the Fellowship and discussions on important topics, recognizing scientific talent, improvement of science education, and taking up other issues of concern to the scientific community. As part of the science education programmes, the Indian Academy of Sciences Bangalore in association with the Indian National Science Academy (INSA), New Delhi and The National Academy of Sciences India (NASI), Allahabad organize programmes for the improvement of science education in the Universities and Colleges throughout the country.

The Science Academies have been supporting two/three-day lecture workshops and fifteen-day refresher courses on topics of current interest throughout the country. All the programmes conducted by the Joint Science Education Panel of the Academies are fully supported by the Department of Science and Technology, Govt. India. DST has undertaken a series of activities to mark 75 years of India's Independence (Azadi Ka Amrit Mahotsav). The Mahotsav is a series of S&T programmes and events to be organised to commemorate the 75th anniversary of India's Independence. The curtain raiser activities began from 12 March, 75 weeks prior to 15 August 2022. The lecture workshops/refresher courses are part of the series in these programmes. The Academy will also organize periodic lectures by eminent scientists. These programmes will be adequately expanded in the celebration of the 75 years of Indian Independence.

### ABOUT THE INSTITUTION

Kongu Engineering College, a leading research oriented institution with excellent facilities, is run by Kongu Vellalar Institute of Technology Trust [KVITT]. The Programmes of the institute are accredited by NBA and the institute is accredited by NAAC and the Institute of Engineers. The Institution has completely an enclosed site with great natural beauty. It consists of 167 acres of land richly endowed with beautiful Greenland. It is an autonomous institution affiliated to Anna University, Chennai. The college has completed 38 years of dedicated and excellent service to the people of India and abroad in the field of Technical Education. The college offers 17 UG Programmes, 19 PG Programmes and 16 Research Programmes in Engineering, Applied Sciences and Management. The institution is ranked high among the engineering institutions in India by various surveys conducted by reputed magazines/journals/organizations. It has an active industry institute partnership centre to interact with industries and also has a Technology Business Incubator (TBI), first of its kind in India, nurturing entrepreneurs in high tech areas.

### ABOUT THE DEPARTMENT

The Department of Chemistry was established in 1984 and well equipped with the infrastructure facilities for doing research. The total faculty strength in the Department is 17, out of whom 11 are Doctorates. The Department is recognized as a Research Centre (so far 12 phd's awarded) and it provides research facility leading to the award of the degree of Doctor of Philosophy. A separate research lab/testing centre is established in the Department to extend its facility to nearby industries through consultancy work in the field of water testing, heavy metal determination, food analysis and to solve any of their problems. Two UGC and one DST funded research projects were completed in the department. The AICTE - RPS Funded Research Project is ongoing in the department.

### ABOUT THE WORKSHOP

Chemistry is a vibrant science that profoundly affects the world we live in. As a fundamental science, it is involved in every facet of life. It is a broad discipline offering many exciting avenues and challenges. The subject of lecture workshop will mainly emphasize the potential needs for futuristic research in chemistry. Its objective is to give an insight to students and faculty members about the major areas in chemistry and expose them to the promising developments in chemistry. The lecture workshop will provide a forum to faculty members, students and research scholars to interact with experts working in the emerging thrust areas of Chemistry.

### GENERAL INSTRUCTIONS

• Faculty Members handling Chemistry and UG/PG students of Science and Engineering can attend this workshop.

• Registration fee : Free

• The number of participants is limited to 120 and registration is done on a First come First Served basis.

• Registration link: <https://forms.gle/4mKcy9y4R0JqkG907>

• Last date for registration : 09-04-2022

• The selected participants will be intimated through their registered email and a separate WhatsApp group formed for further intimations to join the meeting through Google Meet platform.

SCAN TO REGISTER



### ORGANIZING CONVENER

**Dr. R. RAMARAJ, FNA., FASc., FNASc.,**  
Professor of Eminence & DAE Raja Ramanna Fellow  
(Professor & Head (Retd.), Dept. of Physical Chemistry)  
School of Chemistry  
Madurai Kamaraj University  
Madurai-625021  
E-mail: ramarajr@yahoo.com

### ORGANIZING CO-ORDINATOR

**Dr. A.GEETHA**  
Associate Professor & Head  
Department of Chemistry  
Kongu Engineering College  
Perundurai - 638 060, Erode Dt  
TamilNadu  
E-mail: geethathiyaghu@gmail.com  
(M) +91 - 97894 98866



**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE**  
(Autonomous)  
**SCIENCE AND HUMANITIES**  
**DEPARTMENT OF CHEMISTRY**

INDIAN SCIENCE ACADEMIES' SPONSORED LECTURE WORKSHOP ON  
"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"

08.04.2022 & 09.04.2022

**INAUGURATION**

**Date: 08.04.2022**

**Platform: Google Meet**  
<https://meet.google.com/dst-gifr-uto>

**Time: 09.30 am**

**AGENDA**

- 9.30 am - Welcome Address : **Dr. A.Geetha**  
Associate Professor & Head  
Dept of Chemistry / Kongu Engineering College  
&  
Coordinator / Indian Science Academies' sponsored  
Lecture workshop on  
"New Vistas in Chemistry and its Applications"
- 9.35 am - About the Workshop : **Dr. R. Ramaraj**  
Professor of Eminence & DAE Raja Ramanna Fellow  
(Professor & Head (Retd.), Dept. of Physical Chemistry),  
Madurai Kamaraj University, Madurai  
&  
Convener / Indian Science Academies' sponsored  
Lecture workshop on  
"New Vistas in Chemistry and its Applications"
- 9.40 am - Felicitation : **Dr.V.Balusamy**  
Principal  
Kongu Engineering College
- 9.45 am - Inaugural Address : **Dr. S. Natarajan**  
Professor  
Framework Solids Laboratory  
Solid State and Structural Chemistry Unit  
Indian Institute of Science, Bangalore
- 9.55 am- Vote of Thanks : **Dr.P.N.Palanisamy**  
Professor  
Dept of Chemistry / Kongu Engineering College

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE**  
(Autonomous)  
**SCIENCE AND HUMANITIES**  
**DEPARTMENT OF CHEMISTRY**

INDIAN SCIENCE ACADEMIES' SPONSORED LECTURE WORKSHOP ON

“NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS”

08.04.2022 & 09.04.2022

**VALEDICTORY**

**Date: 09.04.2022**

**Platform: Google Meet**  
<https://meet.google.com/dst-gifr-uto>

**Time: 03.15 pm**

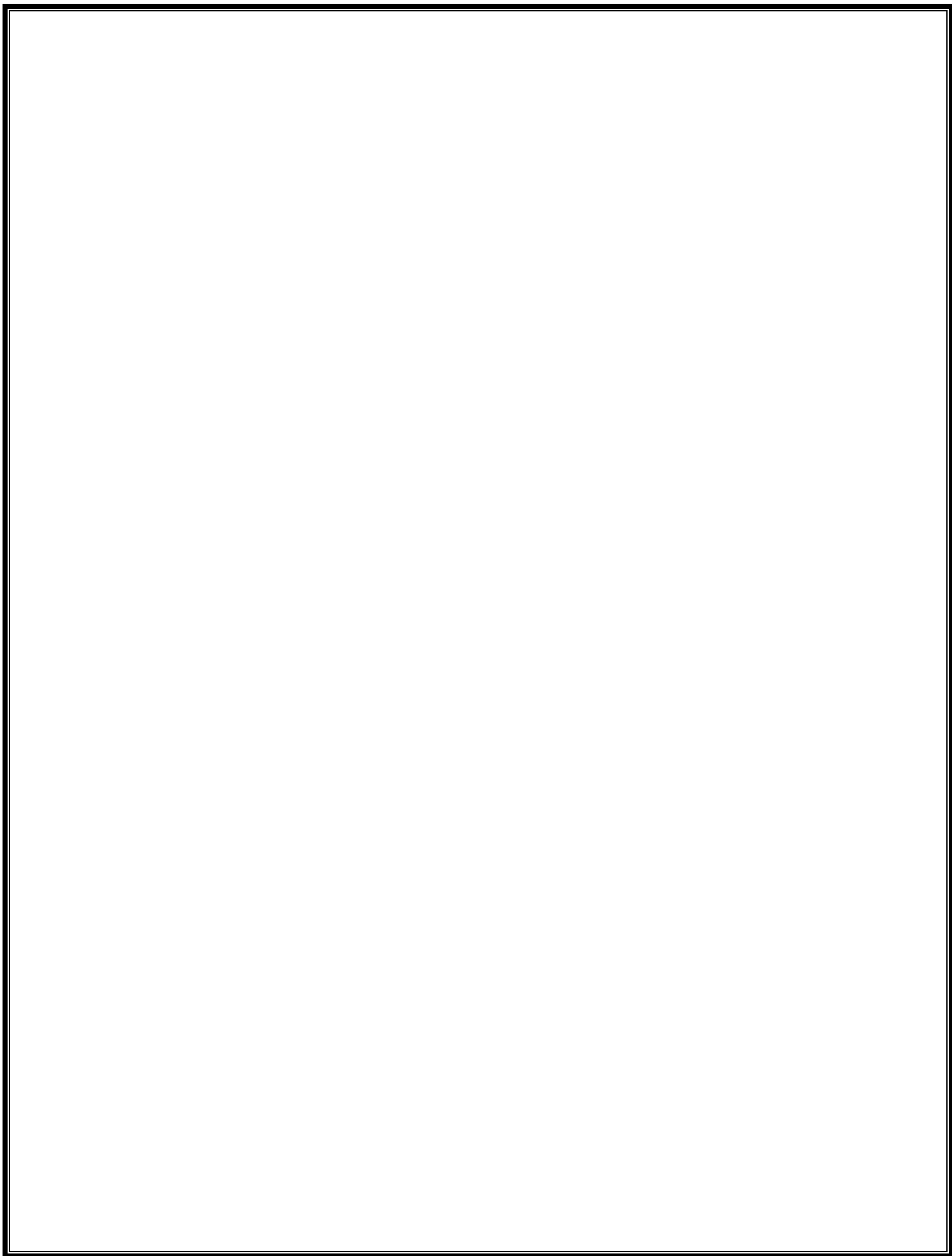
**AGENDA**

3.15 pm- Welcome Address : **Dr.P.N.Palanisamy**  
Professor  
Dept of Chemistry / Kongu Engineering College

3.20 pm- Valedictory Address : **Dr.V.Subramanian, FASc., FNASc.,**  
Chief Scientist, Head & Professor - AcSIR  
Centre for High Computing  
CSIR-Central Leather Research Institute  
Adyar, Chennai

**Dr. R. Ramaraj**  
Professor of Eminence & DAE Raja Ramanna  
Fellow (Professor & Head (Retd.), Dept. of  
Physical Chemistry), Madurai Kamaraj  
University, Madurai  
&  
Convener / Indian Science Academies' sponsored  
Lecture workshop on  
“New Vistas in Chemistry and its Applications”

3.30 pm- Vote of Thanks : **Dr. A.Geetha**  
Associate Professor & Head  
Dept of Chemistry / Kongu Engineering College  
&  
Coordinator / Indian Science Academies' sponsored  
Lecture workshop on  
“New Vistas in Chemistry and its Applications”



## PROGRAMME SCHEDULE

### Day 1 (08.04.2022)

10.00 am to 11.15 am - Session 1  
11.15 am to 11.45 am - Tea Break  
11.45 am to 1.00 pm - Session 2  
1.00 pm to 2.00 pm - Lunch Break  
2.00 pm to 3.15 pm - Session 3

Session	Lecture Topic	Speaker
Session I 10.00 AM - 11.15 AM	The usefulness of inorganic coordination chemistry in the design and discovery of new materials - I	<b>Dr.S. NATARAJAN,FASc., FNASc.,FNA.,FRSC.,</b> Professor Framework Solids Laboratory, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore- 560 012
Session II 11.45 AM - 01.00 PM	Nanoscience & Nanotechnology	<b>Dr. R. RAMARAJ, FNA., FASc., FNASc.,</b> Professor of Eminence & DAE Raja Ramanna Fellow (Professor & Head,Dept. of Physical Chemistry(Retd.)), School of Chemistry, Madurai Kamaraj University, Madurai-625021
Session III 02.00 PM - 03.15 PM	The usefulness of inorganic coordination chemistry in the design and discovery of new materials - II	<b>Dr.S. NATARAJAN,FASc., FNASc.,FNA.,FRSC.,</b> Professor Framework Solids Laboratory, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore-560 012

**Day 2 (09.04.2022)**

10.00 am - 11.15 am - Session 4  
11.15 am-11.45 am - Tea Break  
11.45 am - 01.00 pm - Session 5  
1.00 pm – 2.00 pm - Lunch Break  
2.00 pm -3.15 pm - Session 6  
3.15 pm -Feedback &Valedictory session

Session	Lecture Topic	Speaker
Session IV 10.00 AM - 11.15 AM	Vander wall's Solids	<b>Dr.V.SUBRAMANIAN,FASc., FNASc.,</b> Chief Scientist, Head & Professor, AcSIRCentre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai - 600 020
Session V 11.45 AM - 01.00 PM	The Art of Domino Synthesis	<b>Dr.S. BASKARAN, FASc, FNA.,</b> Professor Department of Chemistry, Indian Institute of Technology Madras, Chennai- 600 036
Session VI 02.00 PM – 03.15 PM	Hydrogen Bonding Interactions	<b>Dr.V.SUBRAMANIANFASc., FNASc.,</b> Chief Scientist, Head & Professor, AcSIRCentre for High Computing, CSIR-Central Leather Research Institute Adyar, Chennai - 600 020
03.15 PM	VALEDICTORY	



SCIENCE ACADEMIES' LECTURE WORKSHOP  
ON

**"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"**

8<sup>th</sup> & 9<sup>th</sup> April 2022

**Copy of Report, UC and Statement of Expenditure**

Submitted to  
**The Co-ordinator**  
Joint Science Education Panel  
Indian Academy of Sciences  
CV Raman Avenue  
Bangalore - 560 080

Submitted by  
**Dr.A.GEETHA**  
Associate Professor & Head  
Department Of Chemistry  
Kongu Engineering College  
Perundurai, Erode, Tamilnadu – 638 060



Format for sending statement of expenditure for Lecture Workshop

Lecture Workshop on  
**"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"**  
(Virtual Mode)  
8<sup>th</sup> & 9<sup>th</sup> April, 2022

Total participants approved by IAS: 120. No. actually participated :97.

(Students: 33 ; Teachers: 64 ; Resource Persons: 4 ; Supporting Staff: Nil)

Sl. No.	Budget head / amount sanctioned (Rs)	Particulars (name of payee/item)	Amount spent
1	a. Honorarium for resource persons (at Rs. 2000/- per lecture)	RESOURCEPERSONS:  a. <b>Dr. R. RAMARAJ, FNA., FASc., FNASc.,</b> Professor of Eminence & DAE Raja Ramanna Fellow (Professor & Head, Dept. of Physical Chemistry(Retd.)) School of Chemistry Madurai Kamaraj University Madurai-625021	Rs.2000/-
		b. <b>Dr.S.NATARAJAN, FASc., FNASc., FNA., FRSC.,</b> Professor Framework Solids Laboratory Solid State and Structural Chemistry Unit Indian Institute of Science Bangalore- 560 012	Rs.4000/-
		c. <b>Dr.S. BASKARAN, FASc, FNA.,</b> Professor Department of Chemistry Indian Institute of Technology Madras Chennai- 600 036	Rs.2000/-
		d. <b>Dr.V.SUBRAMANIAN, FASc., FNASc.,,</b> Chief Scientist Head & Professor AcSIRCentre for High Computing, CSIR-Central Leather Research Institute Adyar, Chennai - 600 020	Rs.4000/-
	b. Honorarium for convener/co-ordinator (Rs 2500/ Rs 2000)	CONVENER: <b>Dr. R. RAMARAJ, FNA., FASc., FNASc.,</b> Professor of Eminence & DAE Raja Ramanna Fellow (Professor & Head, Dept. of Physical Chemistry(Retd.)) School of Chemistry Madurai Kamaraj University Madurai-625021	Rs.2500/-



		CO-ORDINATOR: <b>Dr.A.GEETHA</b> Associate Professor & Head Department of Chemistry Kongu Engineering College Perundurai-638 060 Erode.	Rs.2000/-
2.	Webinar Platform charges	NIL	
3.	Incidental Expenses	a .BROCHURE DESIGN Nithin Charles .S s.nithincharles@gmail.com +91-8838758014	Rs.1000/-
<b>Total</b>			

**Total: 17,500/-**

**Notes:**

- Mention the name of the payee (and paid for what item).
- Each payment should be listed separately. Use additional sheets if necessary.
- All bills/ vouchers should be enclosed to this statement.
- The bills (countersigned by the co-ordinator on the reverse) should be given the same sl.no. as in the statement for easy reference, e.g.1a, 1b etc.

25/4/22

27/4

**GFR 19 – A**  
(See Rule 212 (1))  
**Form of Utilization Certificate**

S.No	Letter No. and Date	Amount (Rs.)	Certified that out of Rs.21,000/- of Grant - in- aid only sanctioned during the year 2021-22 in favour of Kongu Engineering College by Science Academies Educational Programme, Bangaluru.(letter No. given in the margin). A sum of Rs. 17,500/- has been utilized by the college for the purpose of conducting Lecture Workshop for which it was sanctioned. There is Rs. NIL as savings out of total income & expenditure of the workshop and Rs. NIL as unspent balance to the extent of Science Academy grant refunded out of savings. The spent amount Rs.17,500/- need to be reimbursed by Science Academies Educational Programme.
1.	20 December 2021	Rs. 21,000/- (Sanctioned Amount)	
	Total	Rs. 21,000/- (Sanctioned Amount)	

1. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised that following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

1. The fund for Honorarium, Convener and coordinator fee has been utilized properly.
2. The fund for other incidental expenses like poster designing about resource persons, brochure for lecture workshop for publicity has been utilized properly.



*P. Balasubramanie*  
20/4/22  
Signature of the Finance Officer  
Dr. P.BALASUBRAMANIE  
REGISTRAR  
KONGU ENGINEERING COLLEGE  
THOPPUPALAYAM (Po)  
PERUNDURAI, ERODE - 638 060.  
TAMILNADU, INDIA.

30.4.22



**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE – 638 060**  
**DEPARTMENT OF CHEMISTRY**

**Indian Science Academies sponsored**

**Two Day Lecture Workshop**

**on**

**"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS" held on 8<sup>th</sup> & 9<sup>th</sup> April, 2022**

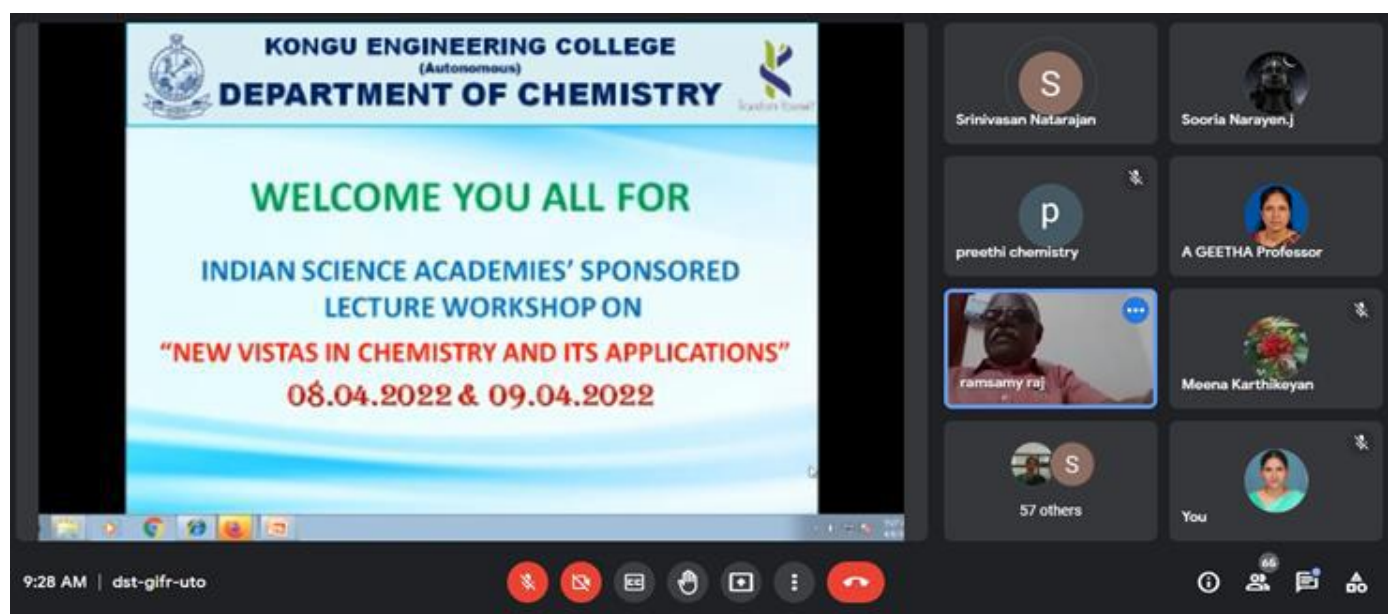
**SUMMARY REPORT**

The Department of Chemistry, Kongu Engineering College, successfully organized **Indian Science Academies sponsored Two Day Lecture Workshop on "NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS" held on 8<sup>th</sup> & 9<sup>th</sup> April, 2022**. Eminent persons from reputed research organizations delivered lectures with the topics related to the field of chemistry on "NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS". The number of participants responded and registered for the lecture workshop is 371. Out of which, the participants [both students and faculty altogether around 97 (List attached- **Students: 33 ; Teachers: 64**)] from various educational institutions and research scholars all over Tamil Nadu have attended the workshop. We had permitted the participants to attend the workshop without registration fee. Since the programme organized through virtual mode, the session login for the workshop was started at 9.30 a.m. on 8<sup>th</sup> April, 2022.

The workshop started with the inaugural function. **Dr.A.GEETHA**, Associate Professor & Head, Department of Chemistry, Kongu Engineering College welcomed the gathering through online mode. **Dr. R. RAMARAJ, FNA., FASc., FNASc.**, Professor of Eminence & DAE Raja Ramanna Fellow (Professor & Head, Dept. of Physical Chemistry(Retd.)), School of Chemistry, Madurai Kamaraj University, Madurai-625021 and also the Convener of this Lecture workshop gave an introductory note about the workshop. **Dr.V.BALUSAMY**, Principal, Kongu Engineering College gave the felicitation and which is followed with inaugural address by **Dr. S. NATARAJAN**, Professor, Framework Solids Laboratory ,Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore.

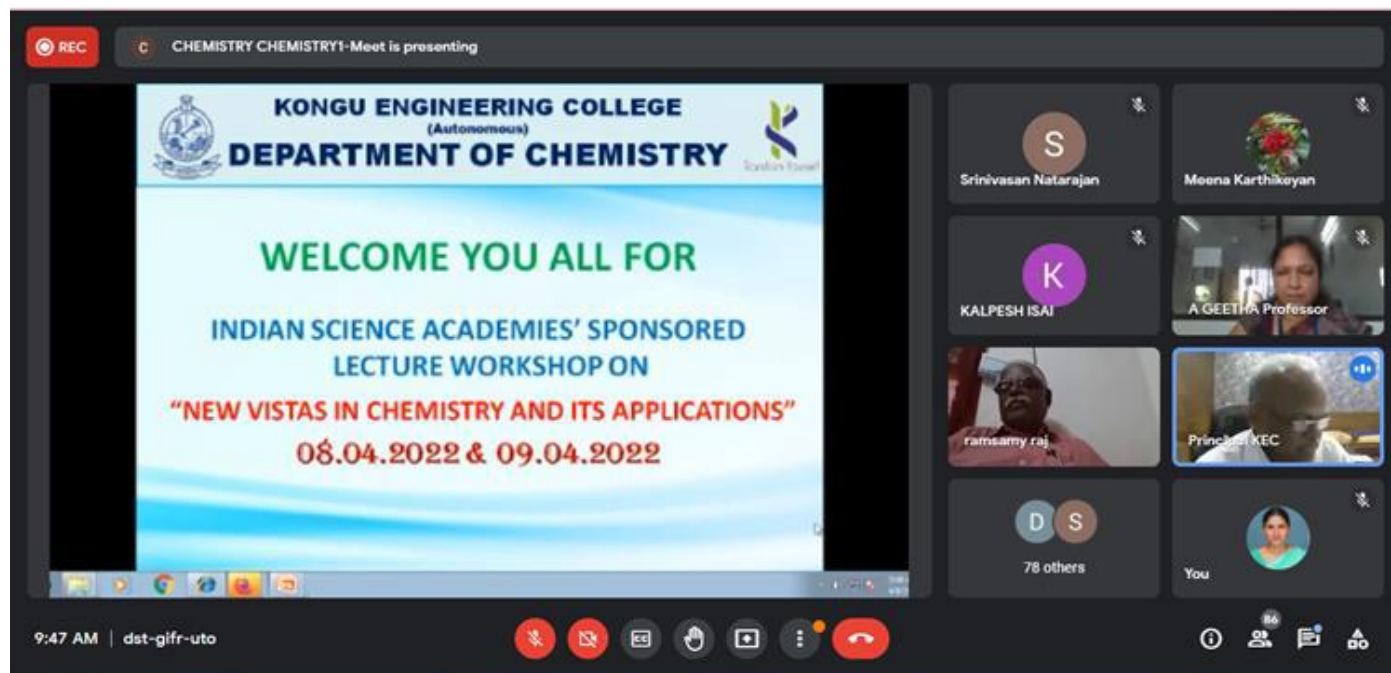


**Welcome Address by Dr.A.Geetha, Associate Professor and Head, Dept of Chemistry/KEC & Coordinator of Lecture Workshop**

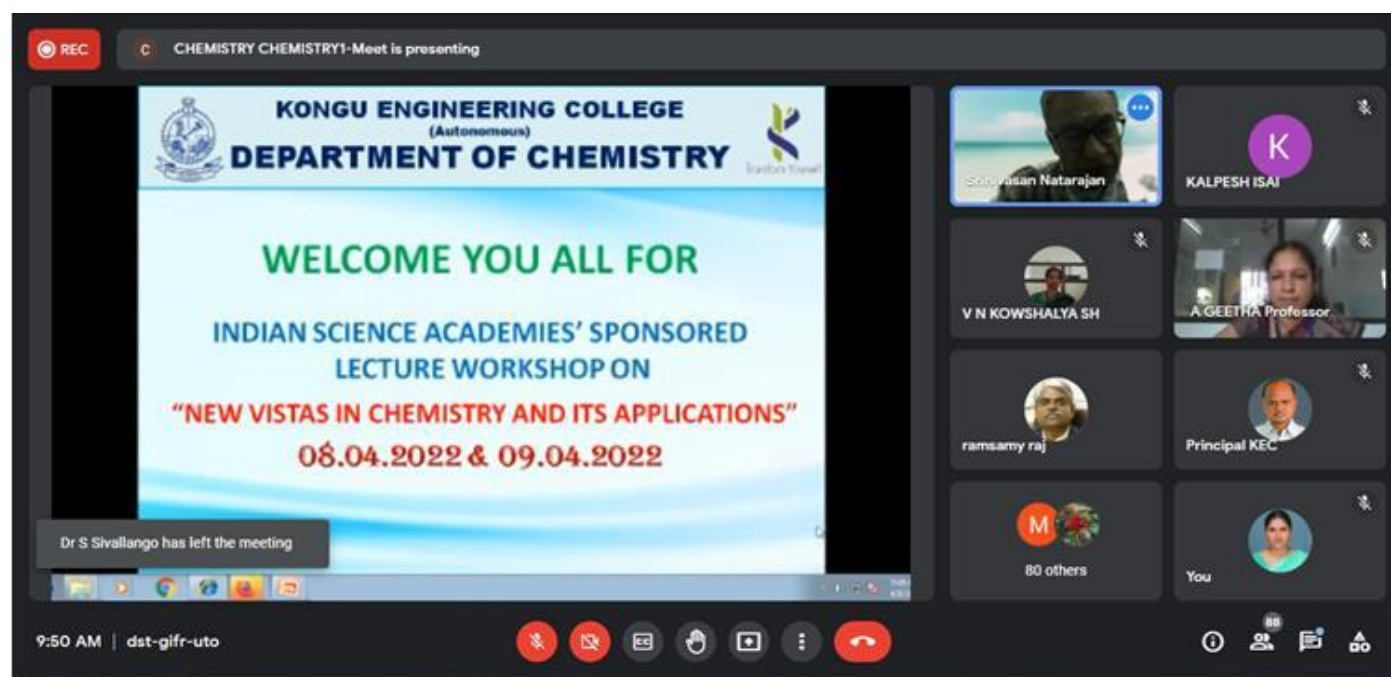


**Dr. R. Ramaraj Professor of Eminence & DAE Raja Ramanna Fellow (Professor & Head (Retd.), Dept. of Physical Chemistry), Madurai Kamaraj University, Madurai & Convener of Lecture Workshop briefing the workshop**



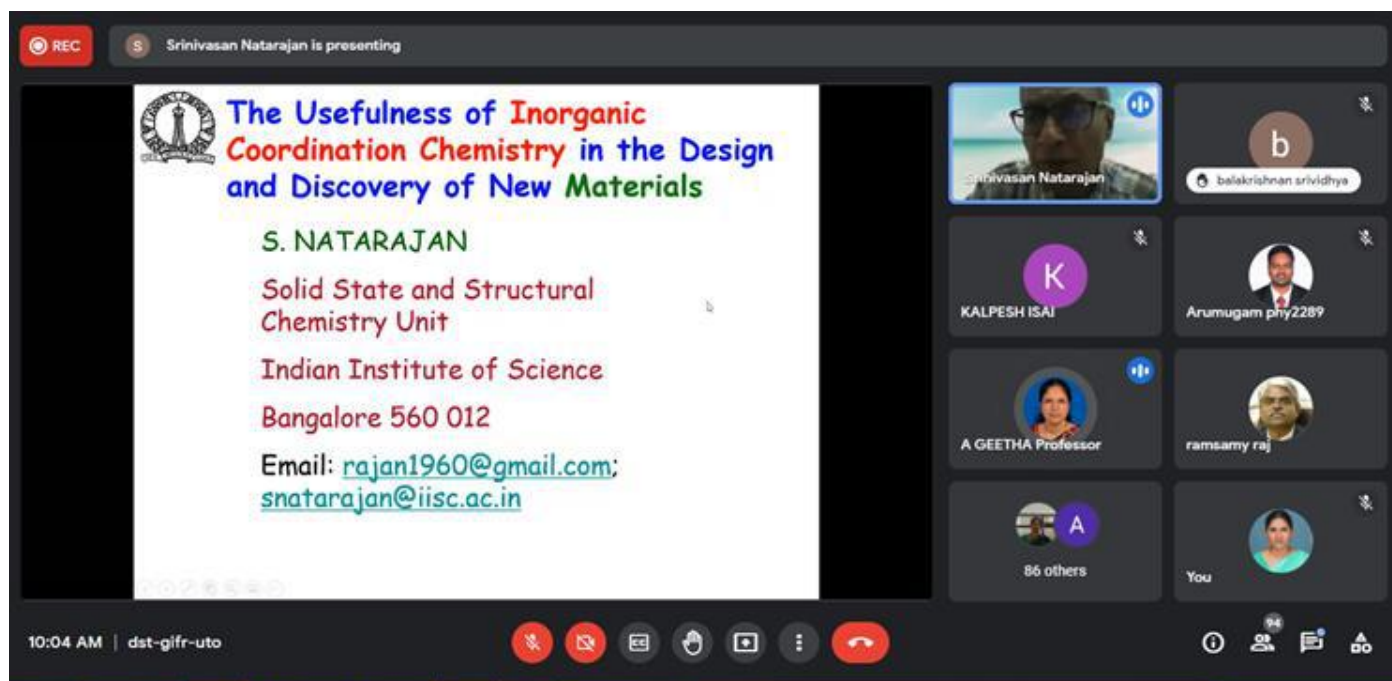


**Felicitation by Dr.V.Balusamy, Principal,KEC**

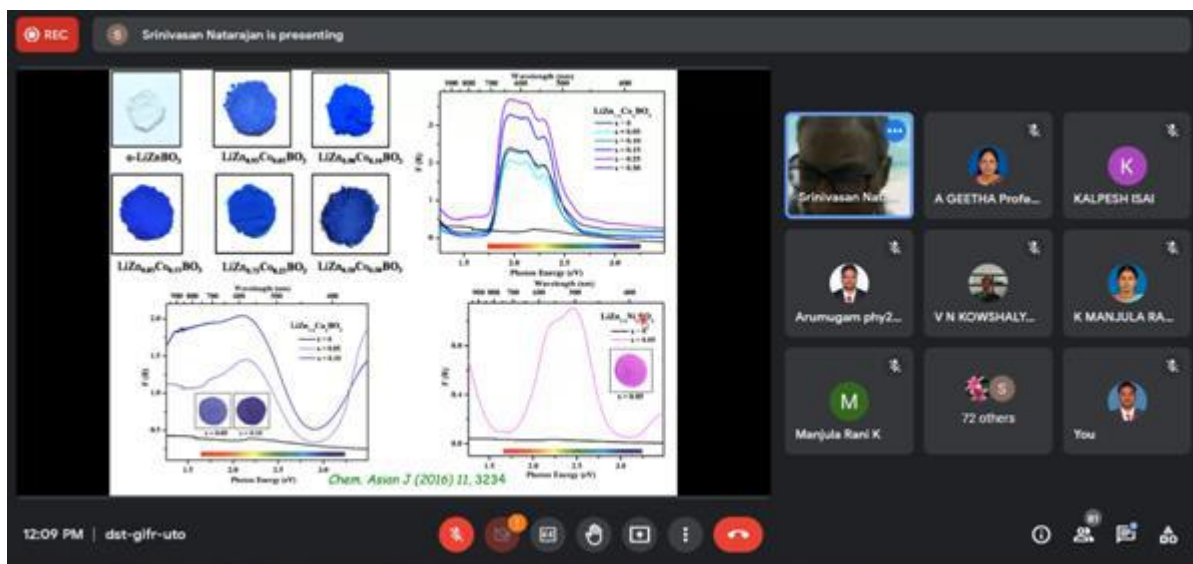


**Inaugural address by Dr. S. Natarajan, Professor, Framework Solids Laboratory ,Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore**

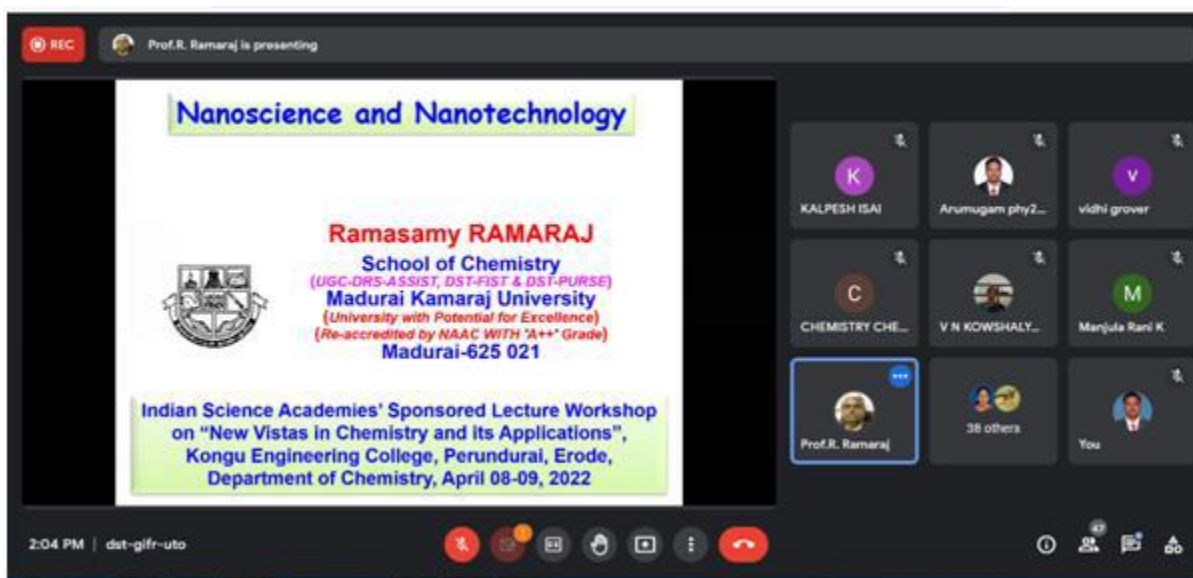
The inaugural function was followed by invited lectures. The two days of lecture workshop consisted of six invited lectures. The first invited lecture (Session I) which commenced at 10.00 am was addressed by **Dr.S. NATARAJAN,FASc., FNASc.,FNA.,FRSC.**, Professor, Framework Solids Laboratory, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore- 560 012. He delivered a lecture under the topic "**The usefulness of inorganic coordination chemistry in the design and discovery of new materials - I**". His session was completed at 11.15am. After 30 minutes of break, the second invited lecture (Session II) started and it was addressed by **Dr.S.NATARAJAN,FASc., FNASc.,FNA.,FRSC.**, Professor, Framework Solids Laboratory, Solid State and Structural Chemistry Unit,Indian Institute of Science,Bangalore-560 012 delivered a lecture on "**The usefulness of inorganic coordination chemistry in the design and discovery of new materials - II**". The forenoon sessions ended at 1.00 p.m. The third invited lecture (Session III) commenced at 2.00 p.m. after lunch break. It was handled by **Dr. R. RAMARAJ, FNA., FASc., FNASc.**, Professor of Eminence & DAE Raja Ramanna Fellow,(Professor & Head,Dept. of Physical Chemistry(Retd.)),School of Chemistry, Madurai Kamaraj University,Madurai-625021. He delivered a lecture under the topic "**Nanoscience & Nanotechnology**". The first day of lecture workshop was concluded at 3.30 p.m.



**First invited lecture by Dr. S. Natarajan, Professor, Framework Solids Laboratory ,Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore**



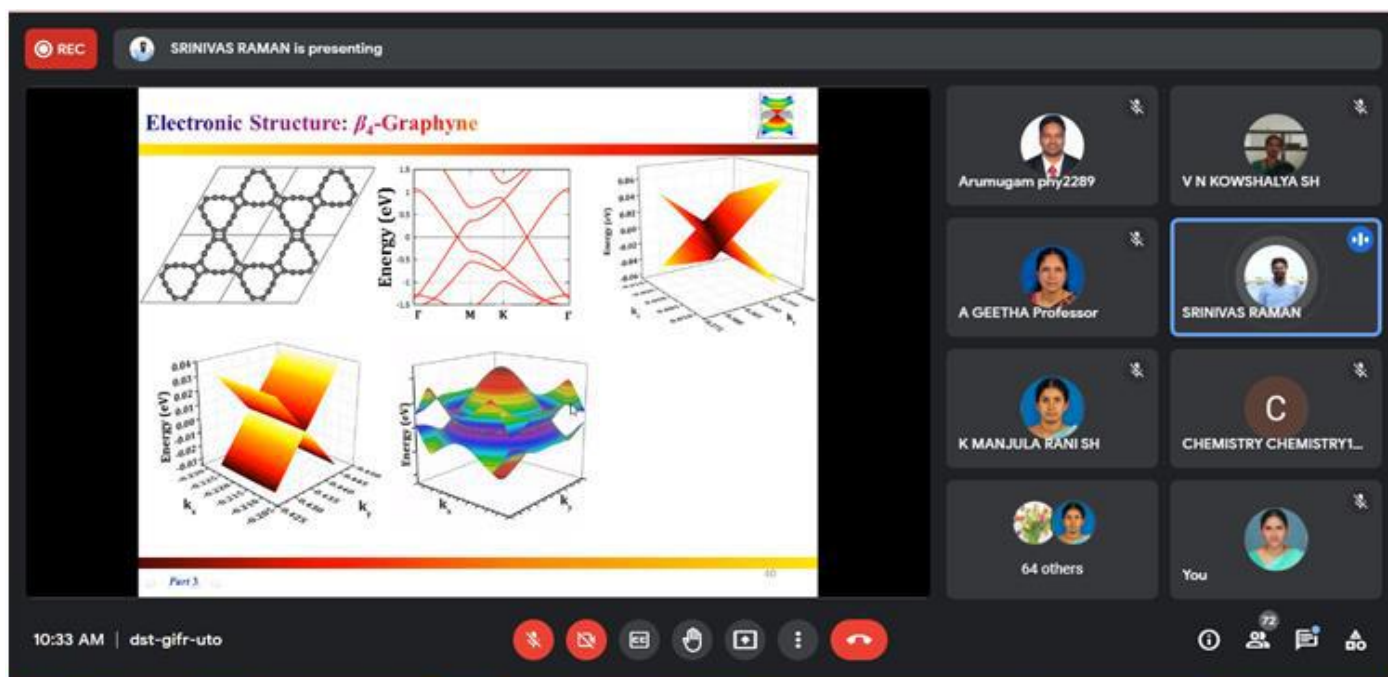
Second invited lecture by Dr. S. Natarajan, Professor, Framework Solids Laboratory, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore



Third invited lecture by Dr. R. Ramaraj Professor of Eminence & DAE Raja Ramanna Fellow (Professor & Head (Retd.), Dept. of Physical Chemistry), Madurai Kamaraj University, Madurai



The second day (09.04.2022) lecture workshop started at 10.00 a.m. with the fourth invited lecture (Session IV) given by **Dr.V.SUBRAMANIAN,FASc., FNASc.**, Chief Scientist, Head & Professor, AcSIRCentre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai - 600 020.He delivered a lecture on the topic on "**Vander wall's Solids**". His session was completed at 11.15am. After 30 minutes of break, the fifth invited lecture (Session V) started and it was addressed by **Dr.S. BASKARAN, FASc, FNA., Professor, Department of Chemistry, Indian Institute of Technology Madras, Chennai- 600 036**. He delivered a lecture on "**Chemo-,Regio-, and Stereoselective Reactions**". The forenoon sessions for the second day of lecture workshop ended at 1.00 p.m. The sixth invited lecture (Session VI) commenced at 2.00 p.m. after lunch break. It was handled by **Dr.V.SUBRAMANIAN,FASc., FNASc.**, Chief Scientist, Head & Professor, AcSIRCentre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai - 600 020.He delivered a lecture on the topic on " **Hydrogen Bonding Interactions** ".




**Fourth invited lecture by Dr.V.SUBRAMANIAN,FASc., FNASc., Chief Scientist, Head & Professor, AcSIRCentre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai**


REC Baskaran S IITM is presenting

Chemoselectivity

Selective Oxidation:  
Chemoselective oxidation of lactols over other alcohols:



Chemoselective epoxidation of allylic alcohols over unfunctionalized alkenes:



12:30 PM | dst-gifr-uto

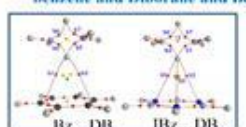
A GEETHA Professor  
K MANJULA RANI SH  
Baskaran S IITM  
SANJEEV Gupta  
CHEMISTRY CHEMISTRY1...  
Arumugam phy2289  
56 others  
You

**Fifth invited lecture by Dr.S. BASKARAN, FASc, FNA., Professor, Department of Chemistry, Indian Institute of Technology Madras, Chennai**

REC Subramanian Venkatesan is presenting

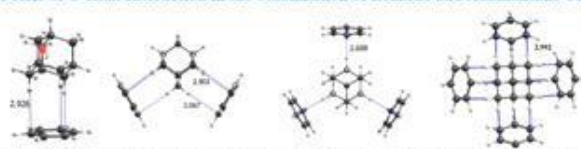
Non-Covalent interactions

Comparison study on the Interaction between Diborane with Inorganic benzene and Diborane and Benzene



Ravinder, P.; Subramanian, V. *J. Phys. Chem. A* **2010**, *114*, 5565–5572.

The Role of C-H... $\pi$  Interaction in the Stabilization of Benzene and Adamantane Clusters



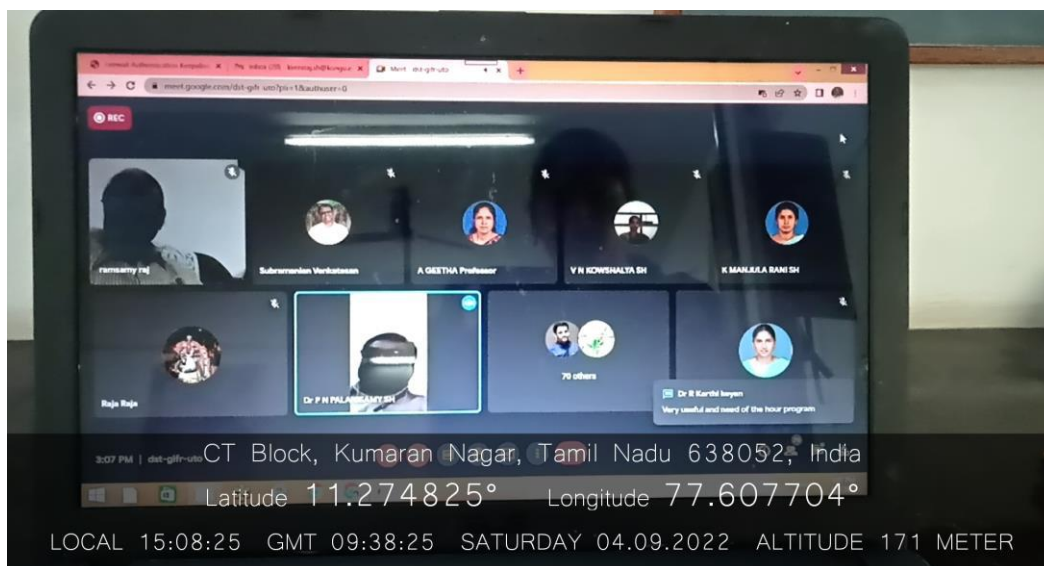
Kumar, R. M.; Elango, M.; Parthasarathi, R.; Vijay, D.; Subramanian, V. *J. Chem. Sci.* (Accepted)

2:26 PM | dst-gifr-uto

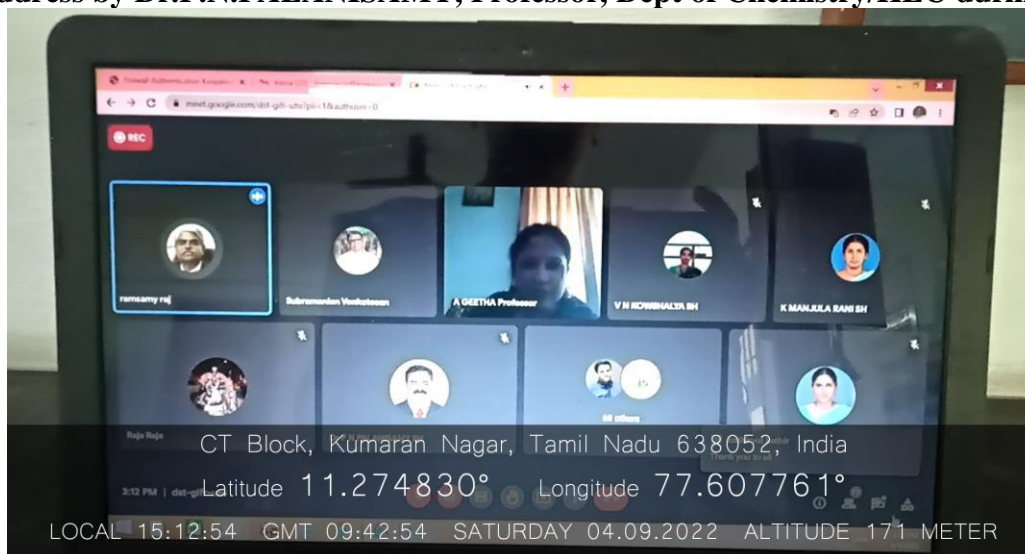
Subramanian Venkatesan  
Manjula M  
A GEETHA Professor  
K MANJULA RANI SH  
Raja Raja  
Abarna B  
51 others  
You

**Sixth invited lecture by Dr.V.SUBRAMANIAN,FASc., FNASc., Chief Scientist, Head & Professor, AcSIRCentre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai**

On the second day, all sessions came to an end at 3.15 p.m. The valedictory function started at 3.15 p.m. **Dr.P.N.PALANISAMY**, Professor, Department of Chemistry, Kongu Engineering College welcomed the gathering. **Dr. R. RAMARAJ, FNA., FASc., FNASc.**, Professor of Eminence & DAE Raja Ramanna Fellow,(Professor & Head, Dept. of Physical Chemistry (Retd.)),School of Chemistry, Madurai Kamaraj University,Madurai-625021 addressed the activities of the two day's lecture workshop. **Dr.V.SUBRAMANIAN, FASc., FNASc.**, Chief Scientist, Head & Professor, AcSIR Centre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai gave the valedictory address. **Dr.A.GEETHA**, Associate Professor & Head, Department of Chemistry, Kongu Engineering College and also the Coordinator of this Lecture workshop proposed the vote of thanks. The two day lecture workshop came to an end.

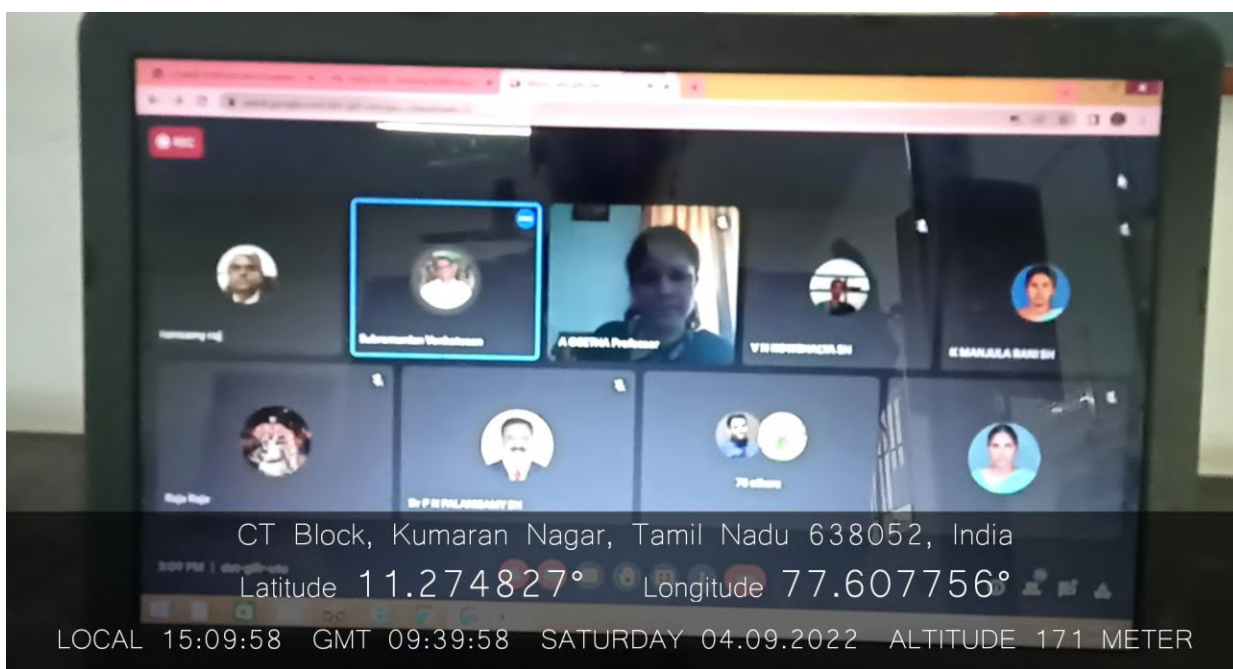


**Welcome Address by Dr.P.N.PALANISAMY, Professor, Dept of Chemistry/KEC during valedictory**

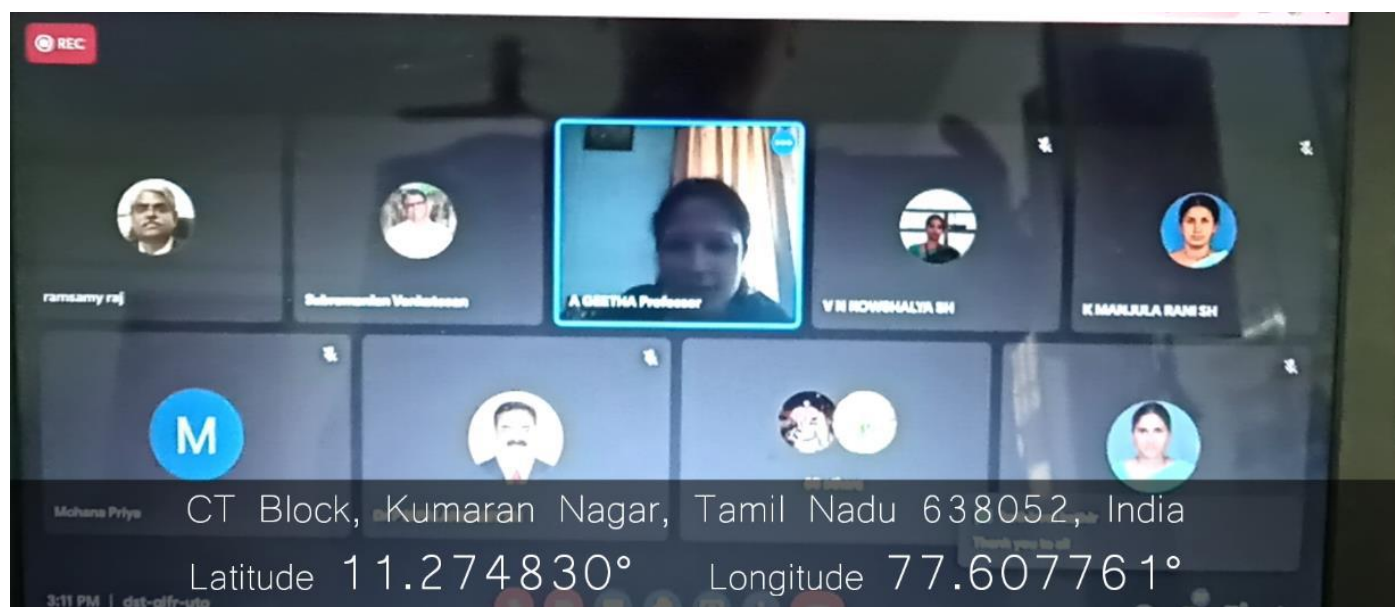


**Dr. R. RAMARAJ, FNA., FASc., FNASc., Professor of Eminence & DAE Raja Ramanna Fellow,(Professor & Head, Dept. of Physical Chemistry (Retd.)),School of Chemistry, Madurai Kamaraj University,Madurai-625021 addressed the activities of the two day's lecture workshop**





**Valedictory address by Dr.V.SUBRAMANIAN,FASc., FNASc., Chief Scientist, Head & Professor, AcSIRCentre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai**



**Vote of thanks by Dr.A.Geetha, Associate Professor and Head, Dept of Chemistry/KEC & Coordinator of Lecture Workshop**

The lecture workshop provided a platform to the participants to acquire more knowledge in the field of chemistry. It is important to mention here that the participants have also shared their opinions and clarified their doubts with experts about their research work during the Lecture workshop.

**Coordinator  
(Dr.AGEETHA)**

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060**  
**DEPARTMENT OF CHEMISTRY**

**INDIAN SCIENCE ACADEMIES' SPONSORED**  
**TWO DAYS LECTURE WORKSHOP**  
**ON**  
**"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"**  
**(08.04.2022 & 09.04.2022)**

**Date:**

I **Dr. R. RAMARAJ, FNA., FASc., FNASc.**, Professor of Eminence & DAE Raja Ramanna Fellow (Professor & Head, Dept. of Physical Chemistry(Retd.)), School of Chemistry, Madurai Kamaraj University, Madurai-625021 acted as a Convener for two days Indian Science Academies' sponsored lecture workshop on **"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"** organized by the Department of Chemistry, Kongu Engineering College during 08.04.2022 to 09.04.2022 and received a sum of Rs.2500/- as Convener for aforementioned through NEFT.



**Signature with date**

**Prof. R. RAMARAJ**, DSc (Japan), DSc (Madurai),  
FNA., FASc., FNASc.,  
Professor of Eminence  
DAE Raja Ramanna Fellow  
(Former Professor & Head, Dept. of Physical Chemistry)  
School of Chemistry, Madurai Kamaraj University  
Madurai - 625 021, INDIA

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060**  
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**Signature with date**

**Prof. R. RAMARAJ**, DSc.(Japan), DSc.(Madurai),  
FNA., FASc., FNASc.,  
Professor of Eminence  
DAE Raja Ramanna Fellow  
(Former Professor & Head, Dept. of Physical Chemistry)  
School of Chemistry, Madurai Kamaraj University  
Madurai - 625 021, INDIA




**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060**  
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**TWO DAYS LECTURE WORKSHOP**  
**ON**  
**"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"**  
**(08.04.2022 & 09.04.2022)**

**Date: 22.04.2022**

I **Dr.A.GEETHA**, Associate Professor & Head, Department of Chemistry, Kongu Engineering College, Perundurai – 638 060 acted as a Coordinator for two days Indian Science Academies' sponsored lecture workshop on "NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS" organized by the Department of Chemistry, Kongu Engineering College during 08.04.2022 to 09.04.2022 and received a sum of Rs.2000/- as Coordinator fee for aforementioned through NEFT.

  
**Signature with date**

**Dr. A. GEETHA**  
**ASSOCIATE PROFESSOR & HEAD**  
**DEPT. OF CHEMISTRY**  
**KONGU ENGINEERING COLLEGE**  
**THOPPUPALAYAM (Po)**  
**PERUNDURAI, ERODE - 638 060**



# INVOICE

Invoice.no: 20220411001

**Nithin Charles S**

**s.nithincharles@gmail.com**

**+91 - 88387 58014**

**Bill to**

**The Principal**

Kongu Engineering College

Perundurai

SL.	ITEM DESCRIPTION	PRICE	QTY	TOTAL
1	Brochure Design	1000	1	1000
TOTAL				Rs. 1000

Signature

Date : 08.03.2022

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060**  
**DEPARTMENT OF CHEMISTRY**

**INDIAN SCIENCE ACADEMIES' SPONSORED**  
**TWO DAYS LECTURE WORKSHOP**  
**ON**  
**“NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS”**  
(08.04.2022 & 09.04.2022)

**Date: 09/04/2022**

I **Dr.S.BASKARAN, FASc., FNA.,** Professor, Department of Chemistry, Indian Institute of Technology Madras, Chennai- 600 036 acted as a Resource person in two days Indian Science Academies' sponsored lecture workshop on **“NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS”** organized by the Department of Chemistry, Kongu Engineering College during 08.04.2022 to 09.04.2022 and received a sum of Rs.2000/- as remuneration for aforementioned through NEFT.



April 21, 2022

**Signature with date**



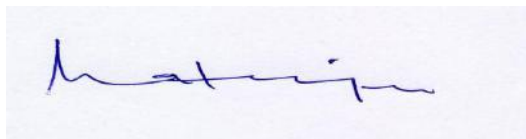
**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060  
DEPARTMENT OF CHEMISTRY**

**INDIAN SCIENCE ACADEMIES' SPONSORED  
TWO DAYS LECTURE WORKSHOP  
ON  
“NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS”  
(08.04.2022 & 09.04.2022)**

**Date:21-4-22**

**I Dr.S.NATARAJAN,FASc.,FNASc.,FNA.,FRSC.,** Professor, Framework Solids Laboratory, Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore- 560 012 acted as a Resource person for two days Indian Science Academies' sponsored lecture workshop on **“NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS”** organized by the Department of Chemistry, Kongu Engineering College and received a sum of Rs.4000/- as remuneration for aforementioned through NEFT.

**Signature with date**

A handwritten signature in blue ink, appearing to read 'Natarajan', is written on a light blue rectangular background.

**KONGU ENGINEERING COLLEGE, PERUNDURAI, ERODE-638 060  
DEPARTMENT OF CHEMISTRY**

**INDIAN SCIENCE ACADEMIES' SPONSORED  
TWO DAYS LECTURE WORKSHOP  
ON  
"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"  
(08.04.2022 & 09.04.2022)**

**Date:** 22.4.2022.

I **Dr.V.SUBRAMANIAN**, FASc., FNASc., Chief Scientist, Head & Professor, AcSIR Centre for High Computing, CSIR-Central Leather Research Institute, Adyar, Chennai - 600 020 acted as a Resource person for two days Indian Science Academies' sponsored lecture workshop on **"NEW VISTAS IN CHEMISTRY AND ITS APPLICATIONS"** organized by the Department of Chemistry, Kongu Engineering College during 08.04.2022 to 09.04.2022 and received a sum of Rs.4000/- as remuneration for aforementioned through NEFT.

V. Subramaniam  
22.4.2022

**Signature with date**

(V. SUBRAMANIAM).