

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)

Sivapuram Post, Pudukkottai-622422

DEPARTMENT OF CHEMISTRY

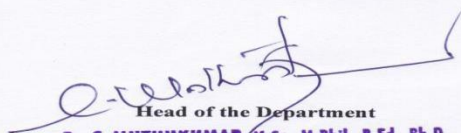
3.3.2-Che-Special Lecture-Workshop-Seminar

Special Lecture Programme on "Disposal of COVID-19 Preventive Solid Materials and Its Impact on the Environment"

The Resonance Club of the Department of Chemistry, J.J College of Arts and Science (Autonomous), Sivapuram, Pudukkottai Conducted on extraordinary International Online Webinar lecture programme on 27th July 2020 by **Mr.Sylvester Richard Chika Bvumbwa**, M.Sc., Water Engineer (PAUWES ALGERIA).

He delivered on inspirational speech on "**Disposal of COVID-19 Preventive Solid Materials and Its Impact on the Environment**". He outlined the precautions to be observed in disposing of solid waste arising from **COVID-19** treatment. He suggested deep burial as the best method. He said that one need be scared of **COVID-19**. It was due to a virus and could be tackled with the observance of precaution like hand washing, masking and social distancing.

The speaker cleared all the doubts raised by the UG and PG students of Chemistry the students were very much benefited by the highly instructive, informative and inspirational lecture and 120 students attend the lecture. Dr. C. Muthukumar, Head, Department of Chemistry, welcomed and Dr. R. Sivakumar, Assistant Professor, proposed the vote of thanks.


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422,




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
M.Phil., B.Ed., Ph.D.
PRINCIPAL
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI-622 422

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)

Sivapuram Post, Pudukkottai-622422

DEPARTMENT OF CHEMISTRY

ONLINE WEBINAR ON CORONA, ITS WAVES AND THERAPIES

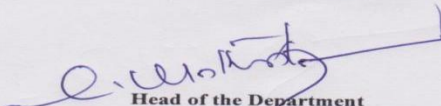
The PG and Research Department of Chemistry, J.J College of Arts and Science Sivapuram, Pudukkottai Organized a Webinar on "Corona, Its Waves and therapies" by **Dr. S. Srinivasan**, Head, Research and Development, Flemming Laboratory, Hyderabad, Telungana at **11.00 am on Wednesday 30.06.2021**.

The Speaker dwelt at length on the different Coronal variants and their evolution. He pointed out how humanity was now in the second wave and has learnt valuable lessons from the first. The various Government and departments of health and sanitation had enlarge and spruced up their amenities like hospital, testing centers and quarantine facilities. These have been special efforts to product the front line medical teams and health workers as well as the police and public servants who have to work round the cloth to fight the second wave and to prevent a possible third. The people have also been sensitized to need for masking and social distancing. People have to take a vow to keep fit and help to do the same.


Referring to the various drugs and therapies, Dr.S.Srinivasan, Spoke on various drugs in use for Covid therapy. He explained in detail how Remidisivir function has intake of oxygen preventing the need for the use mechanical devices. He pointed out the first wave was met mainly oxygen dependent treatments and how the causalities rose due to lake of oxygen supplies. The second wave could rely on a greater variety of drugs like steroids and bronchial stimulators. In a way we were better equipped to face Co-morbidities and work out synergetic treatments with curies from alternative medicinal systems like Ayurveda, Siddha and Yoga therapies. He pointed out how food itself could become a care for corona by a judicious use of herbs and herbal products like Neem leaves, Turmeric, Peppers, Cummins, Clover and Garlic.

He concluded his lecture pointing out that societal will and individual effort should coalesce in the fight against the Pandemic, Sanitation, Cleanliness and proper disposal/destruction of waste water was as important as curative efforts and prospecting for drugs. So to was the popularization and administration of vaccines to cover all sections of the populations.

Finally there was a lively question-answer session. Earlier **Dr. C. Muthukumar**, Head, Department of Chemistry welcomed the chief guest and audience and finally **Dr. R. Sivakumar**, Proposed the vote of thanks.


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
M.Phil., B.Ed., Ph.D.
PRINCIPAL
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI-622 422

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)

Sivapuram Post, Pudukkottai-622422

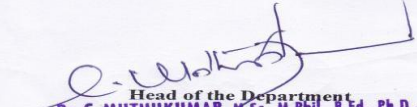
DEPARTMENT OF CHEMISTRY

Special Lecture Programme on "Application of Wave mechanics for Simple System" –

The Resonance Club of the Department of Chemistry, J.J College of Arts and Science (Autonomous), Sivapuram, Pudukkottai Conducted an extraordinary Online Webinar lecture programme on 20th August 2020 by Dr. B. Ramkumar, Assistant Professor of Chemistry, Government Arts College, Trichy.

He delivered an inspirational speech on "Application of Wave mechanics for Simple System". He outlined the precautions to be observed in disposing of solid waste arising from COVID-19 treatment. He suggested deep burial as the best method. He said that one need not be scared of COVID-19. It was due to a virus and could be tackled with the observance of precaution like hand washing, masking and social distancing.

The speaker cleared all the doubts raised by the UG and PG students of Chemistry the students were very much benefited by the highly instructive, informative and inspirational lecture and 115 students attend the lecture. Dr. C. Muthukumar, Head, Department of Chemistry, welcomed and Mrs. S. Kalaivani, Assistant Professor, proposed the vote of thanks.


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422.




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
M.Phil., B.Ed., Ph.D.
PRINCIPAL
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI-622 422

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)

Sivapuram Post, Pudukkottai-622422

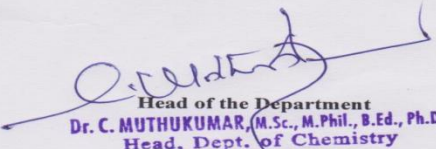
DEPARTMENT OF CHEMISTRY

Special Lecture Programme on “Vibrational Spectroscopy Focused to Inorganic Compounds”


The Resonance Club of the Department of Chemistry, J.J College of Arts and Science (Autonomous), Sivapuram, Pudukkottai Conducted on extraordinary Online Webinar lecture programme on 30th September 2020 by Dr. NML ALHAJI, Associate Professor of Chemistry, Khadir Mohideen College, Adiramapattinam.

He delivered on inspirational speech on “Vibrational Spectroscopy Focused to Inorganic Compounds”. He pointed out the principles and functions of Vibrational technique. He listed out the identification of important functional group by Spectroscopy. The Speakers focused on vibrational spectroscopy as part of molecular spectroscopy and its applications in various fields including laser based medicines. He explained various dimensions of FT-IR and FT- RAMAN spectroscopy. They help in the identification of function groups in compounds.

He answered queries raised by staff and students. Dr.C.Muthukumar, Head, Department of Chemistry, welcomed and Ms. K. Kalaichelvi, Assistant Professor, proposed the vote of thanks.


Head of the Department
Dr. C. MUTHUKUMAR, (M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
Dr. J. PARASURAMAN, (M.A., M.B.A., M.C.A.,
M.Phil., B.Ed., Ph.D.)
PRINCIPAL
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI - 622 422

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)

Sivapuram Post, Pudukkottai-622422

DEPARTMENT OF CHEMISTRY

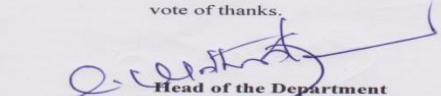
Special Lecture Programme on "Food Chemistry"

The Resonance Club of the Department of Chemistry, J.J College of Arts and Science (Autonomous), Sivapuram, Pudukkottai Conducted an extraordinary Special lecture programme on "Food Chemistry" by **Mr. Salai Vadamalai, Managing Director**, Universe Food Products, Illupur, Pudukkottai at 11.am on 11.03.2021.

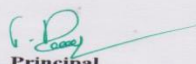
The speaker is the disciple of Mr. Nammalvar, the champion of organic farming. He has his own farm at Illupur, Pudukkottai. He trains farmers in organic farming techniques. His speech reflected this.

The speaker focused on the pollution caused by artificial fertilizers and pesticides. They were threat to the eco system. In food processing, we make use of many colouring agents, preservatives and taste boosters. They are all harmful. He advocated the use of cereals like millets instead of rice and wheat. Very tasty nutritive snacks could be prepared from these lesser cereals. He himself owns one such production unit. The products avoid artificial chemical agents and through natural processing is able to achieve high standard of crispiness and taste. He also spoke on adulteration adulterants and the harmful effect. In these days we have to be wide awake, one should not be deceived by colourful advertisement and attractive packing. Though snack manufacturers have to print chemical composition as part of legal obligation, one cannot fully vouch for the truth of such statements. The harmful effect is often slow and visible only when symptoms of diseases are precipitated 70 students

Dr. C. Muthukumar, Head of the Department of Chemistry, presided and introduced the speaker, Selvi V. Naveena II- M.Sc., Welcomed the gathering Selvi S. Akshaya I M.Sc., proposed the vote of thanks. They raised many pertinent questions and the speaker gave clear answers to them. He answered queries raised by staff and students. Dr.C.Muthukumar, Head, Department of Chemistry, welcomed and Ms. K. Kalaichelvi, Assistant Professor, proposed the vote of thanks.


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
M.Phil., B.Ed., Ph.D.
PRINCIPAL
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI-622 422

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)

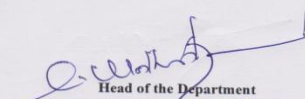
Sivapuram Post, Pudukkottai-622422

DEPARTMENT OF CHEMISTRY


The resonance club of the Department of Chemistry, J. J. College of Arts and Science, Sivapuram, organized a special lecture programme on "Mysteries of Chemistry in Human Existence" at 2.00 pm on Monday, 22. 11. 2021, Dr. A. Simi, Assistant professor of Chemistry, St. Joseph's college, Tiruchirappalli was the Resource person.

In his speech he drew attention to various roles chemistry plays in our daily routine from sunrise to sunset. He began with the chemistry of Toothpaste, its various constituents and the ways in which each of them contributed to oral hygiene and dental care. He also spoke on mouth fresheners that invigorated our breath and removed malodor. The same was the case with various types of soaps, solutions and cosmetics that give us our fresh and lively looks. He pointed out how our breakfast health drinks, lunch, dinner desserts and beverages were the food chemistry and based on the science of nutrition. Similarly the mosquito repellents floor cleaners and various types of coils were the result of chemical research. When we fall ill, we take medicines which in turn are products of pharmaceutical chemistry. Actually there is a good deal of research going on in preventing and curative medicines which are based on chemical analysis and synthesis. Again the colourful candles we use in our birthday parties and the crackers we use during festivals and ceremonies are made possible only by chemistry. In fact our body itself is a great chemical laboratory. Thus chemistry works many miracles in human life. The speaker carried the students with him and made the session highly interactive through questions and answers.

Dr. C. Muthukumar, Head, Department of chemistry, presided over the session. The welcome speech was by Mr. S. Syam Sundar, II M.Sc. and the vote of thanks was by Ms. Anaga P. Ganesh I M.Sc.


Head of the Department
Dr. C. MUTHUKUMAR, B.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422;




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
M.Phil., B.Ed., Ph.D.
PRINCIPAL
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI-622 422

J.J COLLEGE OF ARTS AND SCIENCE (Autonomous)

Sivapuram Post, Pudukkottai-622422

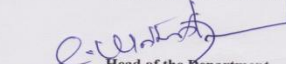
DEPARTMENT OF CHEMISTRY

The resonance club of the Department of chemistry, J. J. college of Arts and Science (Autonomous), Pudukkottai, organized a special lecture at 2.00 pm on Wednesday 24.11.2011. Dr. V. Thirumurugan, Assistant Professor of Chemistry, AVVM Sri Pushpam College (Autonomous) Poondi, spoke on "Infrared Spectra and their applications".

Dr. C. Muthukumar Head, Department of Chemistry, Presided over the session. He introduced the speaker as an avid researcher and inspiring teacher capable of simplifying complex matters through systematic analysis and cogent presentation.

Dr. V. Thirumurugan, pointed out how infrared spectra were not discernible to the naked eye. They were first identified by sir William Hetzel. A german scientist who researched on the refraction of plain rays and their dispersion into VIBGYOR. He also reported the increase in temperature from violet rays to red rays. Infrared spectra were invisible, because their wavelength higher than the occutar range of the human eye. Similarly we are unable to see the VIBGYOR spectra with our naked eye because their wavelength is shorter than our ocular range. However, solar rays, through unseen may be realised as heat. Infra red rays are of three types - near, mid and far. Snakes use such self generated rays to hunt for pray. He listed may practical applications of IR spectra. For example he pointed out how IR could be used to identify the functional groups in molecules and gave the audience a few practice exercises. He also drew attention to the photographic applications of IR spectra. They are also useful in helping painted surfaces to dry evenly and without time-lag. Before concluding his lecture, he tacked many questions raised by the audience.

Mr. M. Ananthu, I M.Sc. Welcomed the gathering and Ms. K. V. Archana, II M.Sc., proposed the vote of thanks.


Head of the Department
Dr. C. MUTHUKUMAR, M.Sc., M.Phil., B.Ed., Ph.D.,
Head, Dept. of Chemistry
J.J. College of Arts & Science (Autonomous)
SIVAPURAM
PUDUKKOTTAI - 622 422




Principal
Dr. J. PARASURAMAN, M.A., M.B.A., M.C.A.,
M.Phil., B.Ed., Ph.D.
PRINCIPAL
J.J. College of Arts and Science
(Autonomous)
J.J. Nagar, Sivapuram Post,
PUDUKKOTTAI-622 422