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**St. Joseph's College of Engineering**  
St. Joseph's Group of Institutions  
OMR, Chennai - 119.  
**COUNSELLING CODE : 1317**



## DEPARTMENT OF SCIENCE

### REPORT –NATIONAL WEBINAR ON “COMPUTATIONAL CHEMISTRY ON BIOFUEL DEVELOPMENT – CCBD 2020”

DATE: 16<sup>th</sup> July 2020

#### BACKGROUND & OBJECTIVE:

Department of Science, St. Joseph's College of Engineering, Chennai-119 organized a National Webinar on " **COMPUTATIONAL CHEMISTRY ON BIOFUEL DEVELOPMENT – CCBD 2020**" for faculty members, research Scholars and students of various departments on 16<sup>th</sup> July, 2020. The computational chemistry is a branch of chemistry that uses computer simulation to assist in solving chemical problems. It uses methods of theoretical chemistry, incorporated into efficient computer programs, to calculate the structures and properties of molecules and solids. The main objective of this webinar is to find a cheaper, faster, and above all safer ways to drive a solution for advanced biofuel process development without emitting any health hazardous constituents to atmosphere.

#### RESOURCE PERSON DETAILS:

DATE	TOPIC	PRESENTER	Link
16.07.2020 10.30 AM To 11.30 AM	Computational Chemistry Driven Solution to Advanced Biofuel Process Development	<b>Dr. R. PARTHASARATHI,</b> <b>M.Sc., Ph.D</b> Principal Scientist, CSIR – Indian Institute of Toxicology Research, Lucknow, Uttar Pradesh, India.	<a href="https://youtu.be/8dtXAUqZBqk">https://youtu.be/8dtXAUqZBqk</a>

#### FACULTY DEVELOPMENT PROGRAM DETAILS:

The National Webinar on “**COMPUTATIONAL CHEMISTRY ON BIOFUEL DEVELOPMENT – CCBD 2020**” was conducted using the registration link <https://forms.gle/u4baw3jxpYgTZFvp8> and Streamyard Youtube livelinks <https://streamyard.com/k9m94ntdnk> and <https://youtu.be/8dtXAUqZBqk> . E-certificate has been issued to the participants those who submitted their feedback form through the link <https://forms.gle/x1xiqyikxDPUGwpV8>

**PARTICIPANT'S DETAILS:**

Total Number of Registration: 2270

A total number of 1970 participants have registered from all states of India and 300 participants from various parts of the World like USA, UK, Nigeria, Malaysia, South Korea and so on, have participated and were issued participation certificates through their registered e-mail based on their feedback forms.

**OUTCOME:**

An overwhelming response has been received for the webinar from the participants from various Educational institutions and Research Centres. The webinar exposed the participants to acquire knowledge on the basics of computational chemistry principles and possible applications prevailing in the field of biofuel development. The participants have given very good feedback for the presentation and explanation.

**HOD/Convener**

**Dr.V. N. Nandini Devi M.Sc., Ph.D**

**Professor and Head**

Department of Science

**Principal**

**Dr. Vaddi Seshagiri Rao M.E., MBA., Ph.D**

**Organizers**

Dr. V.Swarnalatha/AP/Dept. of Chemistry

Dr. P. Saravanan/AP/Dept. of Chemistry

Ms. J. Sharmila/AP/Dept. of Chemistry

Mrs. S. Savitha/AP/Dept. of Chemistry