

**FORMAT FOR SUBMISSION OF REPORT FOR THE WEBINARS/SEMINARS/WORKSHOP  
CONDUCTED**

[ 1<sup>st</sup> April,2020 to 30<sup>th</sup> July, 2021]

**Webinar 1**

1. NAME OF THE DEPARTMENT : **CHEMISTRY**
2. TITLE OF THE PROGRAMME : International Webinar on Next Gen Covid Vaccine with Receptor Binding Domain – Smart Plug and Play for future variants & why some probes don't light up in Multiplex RT-PCR
3. NAME OF THE RESOURCE PERSON : **Dr. Debayan Ghosh**  
Founder & President  
Epygen Biotech Ltd, Dubai, UAE
4. NAME OF THE ORGANIZING FACULTY : **Dr. Khrawborlang Nongsiej**
5. DATE : 22<sup>nd</sup> August, 2020
6. TIME : 16:30 pm onwards
7. VENUE (IF OFFLINE):
8. MODE : Online
9. PLATFORM : Zoom
10. LINK (if online):  
<https://us02web.zoom.us/j/81218634329?pwd=dU44RENFU1NPbm9Ea2dUOTFkZUUT09>
11. NO.OF PARTICIPANTS : 72

TEACHERS: 15

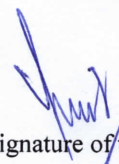
STUDENTS: 57

**12. OUTCOME OF THE PROGRAMME**

The Resource Person, being a scientist having more than 25 years of scientific knowledge, deliberated on the recent RT-PCR test kits developed to detect the presence of Coronavirus and its multiple different strains. He also highlighted a need to develop more test kits to detect Covid positive patients and its conservative treatment to restrict the impact of COVID-19 globally.



(Signature of the Organizing faculty)



(Signature of the Head)

## Webinar 2

1. NAME OF THE DEPARTMENT : CHEMISTRY
2. TITLE OF THE PROGRAMME : International Webinar On Understanding Basic Concepts in Chemistry
3. NAME OF THE RESOURCE PERSON : **Dr Binoyargha Dam**, Guest Faculty, Department of Nanotechnology, NEHU & Department of Chemistry, St. Edmund's College, Shillong  
**Randhir Rai**, Senior Research Fellow, IIT Madras  
**Dr. Debojit Kumar Deb**, Assistant Professor, Department of Chemistry, William Carey University, Shillong  
**Ashim Nandi**, Ph.D. Candidate, Kozuch Computational Chemistry Group, Department of Chemistry, Ben Gurion University, Israel
4. NAME OF THE ORGANIZING FACULTY : **Mr. Baristar Lyngkhoi**
5. DATE : 28<sup>th</sup> & 29<sup>th</sup> August, 2020
6. TIME : 10:00 am onwards
7. VENUE (IF OFFLINE) :
8. MODE : Online
9. PLATFORM : Zoom
10. LINK (if online)  
<https://us02web.zoom.us/j/83156455956?pwd=QzYzbFgxWStBcmRUZWlyYWowQ1BkZz09>


11. NO.OF PARTICIPANTS : 90

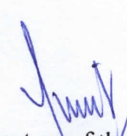
TEACHERS: 10

STUDENTS: 80

## 12. OUTCOME OF THE PROGRAMME

The four Resource Persons, being alumni of the Department, shared their topics of interest and discussed on: Chemistry in everyday life, Coordination Chemistry, Spectroscopy and Quantum mechanics. They highlighted the fundamentals of these topics and drew the correlation between the theoretical knowledge and practical output. They also emphasized on the need to have a clear concept and understanding on these relevant topics which would help them in their future PG Courses.

  
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### Webinar 3

1. NAME OF THE DEPARTMENT : CHEMISTRY
2. TITLE OF THE PROGRAMME : National Webinar on “Supramolecular Chemistry with special emphasis on Biominerals; their Synthesis, Characterization and Applications in various fields”
3. NAME OF THE RESOURCE PERSON : **Mr. Debojit Paul**  
Ph.D. Candidate, Department of Chemistry  
IIT, Guwahati.
4. NAME OF THE ORGANIZING FACULTY : **Dr. Khrawborlang Nongsiej**
5. DATE : 8<sup>th</sup> September, 2020
6. TIME : 3:00 pm onwards
7. VENUE (IF OFFLINE):
8. MODE : Online
9. PLATFORM : Zoom
10. LINK (if online)  
<https://us02web.zoom.us/j/88202621431?pwd=bjl6dWRFM3N3Q3VoQzQ2NDVTVnNlZz09>


11. NO.OF PARTICIPANTS : 86

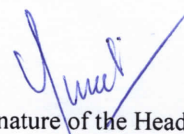
TEACHERS: 10

STUDENTS: 76

### 12. OUTCOME OF THE PROGRAMME

The Resource Person being a Ph.D. candidate, working extensively in supramolecules- their synthesis and applications, correlated the origin of biominerals in living system with the basic knowledge of simple inorganic molecules like calcium carbonate, different forms of metal oxides. He described the synthetic pathway to produce biominerals which can be compared with the naturally available biominerals. Their structures and properties can be evaluated using techniques like Spectroscopy, X-ray crystallography, etc.

  
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### Webinar 5

1. NAME OF THE DEPARTMENT : CHEMISTRY
2. TITLE OF THE PROGRAMME : International Webinar on Understanding Basic Concepts in Chemistry (Series 2) - "The Chemistry Behind Transition of a Sand Particle into Glass"
3. NAME OF THE RESOURCE PERSON : **Mr. Subhankar Ghosh**, Production Manager  
Emirates Float Glass LLC UAE – Abu Dhabi
4. NAME OF THE ORGANIZING FACULTY : **Mr. Baristar Lyngkhoi**
5. DATE : 18<sup>th</sup> September, 2020
6. TIME : 2:00 pm onwards
7. VENUE (IF OFFLINE) :
8. MODE : Online
9. PLATFORM : Zoom
10. LINK (if online)

<https://us02web.zoom.us/j/85321616107?pwd=L3pZa3JSUDUwQWVnWmM0aVF0YnkvQT09>

11. NO. OF PARTICIPANTS : 123

TEACHERS: 10

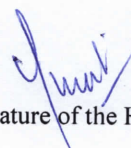
STUDENTS: 113

### 12. OUTCOME OF THE PROGRAMME

The Resource Person being an expert in the manufacture of Glass from scratch narrated the details of production of glasses of different qualities from silicates. He showed the videography of different manufacturing units, the techniques used in separating, purifying and giving final shape to glass. He also highlighted the basic chemistry involved in the process of conversion of silicates (sand) to glass of desired variety.



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### Webinar 6

1. NAME OF THE DEPARTMENT : CHEMISTRY
2. TITLE OF THE PROGRAMME : National Webinar on "Career Paths in Chemistry"
3. NAME OF THE RESOURCE PERSON : **Dr. Prasenjit Ghosh**  
Professor, Department of Chemistry  
IIT, Bombay.
4. NAME OF THE ORGANIZING FACULTY : **Dr. Khrawborlang Nongsiej**
5. DATE : 26<sup>th</sup> November, 2020
6. TIME : 2:00 pm onwards
7. VENUE (IF OFFLINE) :
8. MODE : Online
9. PLATFORM : Zoom
10. LINK (if online)

<https://us02web.zoom.us/j/85280528654?pwd=K0NvNTFKMTd0RDdM1bi8zQTZEczV6QT09>


11. NO. OF PARTICIPANTS: 149

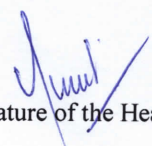
TEACHERS: 10

STUDENTS: 139

### 12. OUTCOME OF THE PROGRAMME

The Resource Person being a senior eminent scientist highlighted various options available to the students pursuing UG/PG courses with Chemistry as major subject. Research in relevant fields of Chemistry such as Bioinorganic domain, Nanochemistry, Electrodynamics, etc. are very important new horizons where a learner can excel through sincerity, dedication and hard work.

  
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### Webinar 8

13. NAME OF THE DEPARTMENT : CHEMISTRY
14. TITLE OF THE PROGRAMME : National Webinar On Understanding Basic Concepts in Chemistry - Series 3
15. NAME OF THE RESOURCE PERSON : **Nikita Das**, M.Sc. Polymer Science & Technology, CIPET, Ahmedabad (Inspire Fellow, GATE-21)  
**Roopjyoti Misra**, M.Sc. Chemistry, NEHU, Shillong (CSIR-NET-21 & GATE-21)  
**Jupitora Thakuria**, M.Sc. Organic Chemistry, Bangalore University
16. NAME OF THE ORGANIZING FACULTY : **Dr. Iadeishisha Kharbangar**
17. DATE : 10<sup>th</sup> April, 2021
18. TIME : 12:00 noon onwards
19. VENUE (IF OFFLINE) :
20. MODE : Online
21. PLATFORM : Zoom
22. LINK (if online)

<https://us02web.zoom.us/j/81552530850?pwd=RTZiZCtOaVBya0pzZGdWSG10Tk5ZZz09>

23. NO. OF PARTICIPANTS : 121

TEACHERS: 10

STUDENTS: 111

#### 24. OUTCOME OF THE PROGRAMME

The Resource Persons being the alumni of the department, delivered their understanding in the topics such as, Polymer Sciences, Photochemistry and Natural Products. They highlighted the need to have a clear concept on these relevant topics so that students can pursue their career in these domains.

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### Webinar 10

1. NAME OF THE DEPARTMENT : CHEMISTRY
2. TITLE OF THE PROGRAMME : National Webinar on "Understanding Basic Concepts in Chemistry" Series-4
3. NAME OF THE RESOURCE PERSON : **Alka Karn**  
Ph.D Candidate, Department of Chemistry, IIT Kanpur.  
Research Associate (Jun, 2017- Aug, 2018), Jacobs University Bremen, Germany.
4. NAME OF THE ORGANIZING FACULTY : **Mr. Baristar Lyngkhai**
5. DATE : 9<sup>th</sup> July, 2021
6. TIME : 3:00 pm onwards
7. VENUE (IF OFFLINE) :
8. MODE : Online
9. PLATFORM : Zoom
10. LINK (if online)

<https://us02web.zoom.us/j/85046140570?pwd=M3RpaHZvbVI4SnplUHljTGhjNTlNdz09>

11. NO. OF PARTICIPANTS : 114

TEACHERS: 10

STUDENTS: 104

12. OUTCOME OF THE PROGRAMME

The Resource Person being the alumni of the department narrated her journey in the field of organocatalysis and organic polymers with special reference to aldol reaction. The concept of catalysis, polymers and important name reactions that forms the basis of subsequent elaborate research in organic polymers, its synthetic routes, characterization and applications in relevant fields were discussed.

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