



Module PMRF-ISSS073 II 2024

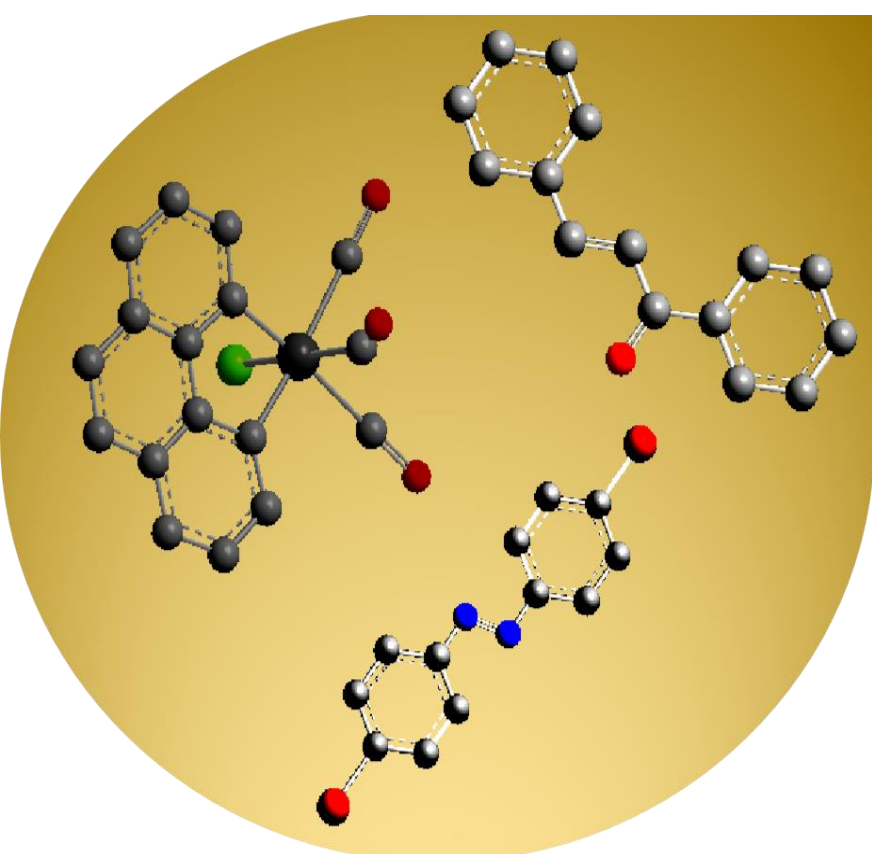
# Organometallic Chemistry

## Name of the PMRF student

Reetu Rani Mondal

## Required background of the students taught

BSc in Chemistry  
MSc in Chemistry (not mandatory)



## Details of the content of the module

### Live lecture sessions on Organometallic Chemistry:

- 18-Electron rule
- Metal-alkyl, metal-metal-carbonyl, metal-olefin, metal-carbene complexes
- Types of organometallic reactions
  - oxidative addition
  - reductive elimination
  - migratory insertion
- Homogeneous catalysis (hydrogenation, hydroformylation)
- Heterogeneous catalysis (Fischer-Tropsch reaction, Ziegler-Natta polymerization)

### Discussion sessions

## Schedule of the module

Start date: 4<sup>th</sup> September 2024

End date (tentative): 18<sup>th</sup> January 2025

Live lectures on Wednesdays 10:30 am – 12 noon

Discussion Sessions on Saturdays 3 pm – 4 pm

Meeting link :

<https://meet.google.com/jks-bjfh-zdh>

Contact email ID: [issf.forum@gmail.com](mailto:issf.forum@gmail.com)

Registration link:

<https://forms.gle/VHAXkrQoFo/zK>