



Module PMRF-ISSS060/2023

Coordination Chemistry

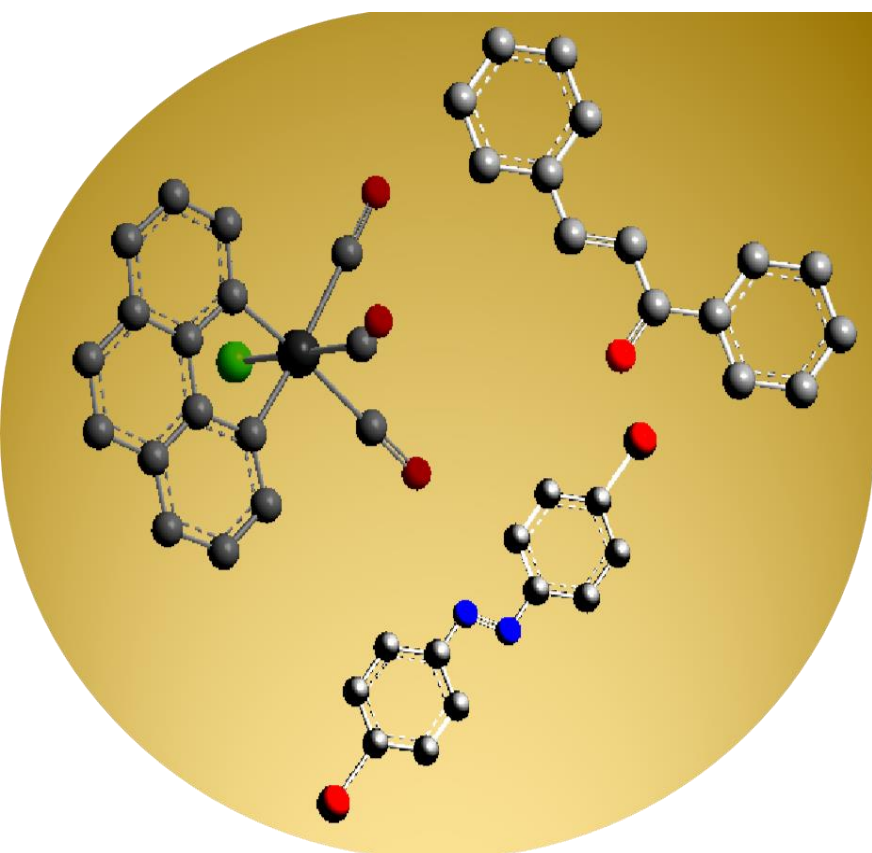
Name of the PMRF student

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 Coordination Chemistry:

- Structure and isomerism
- Theories of Bonding
 - Valence Bond Theory
 - Crystal Field Theory
 - Molecular Orbital Theory
- Energy level diagrams in various Crystal Fields
- Crystal Field Stabilization Energy
- Applications of Crystal Field Theory
- Jahn- Teller Distortion

Discussion sessions

Problem Solving sessions

(After completion of each topic)

Schedule of the module

Start date: 15th November 2023

End date (tentative): 29th February 2024

Live lectures on Wednesdays 10:30 am – 12 noon

Problem Solving and Discussion Sessions on
Saturdays 3 pm – 4 pm

Meeting link:

<https://meet.google.com/usb-zyxc-buq>

Contact email ID: iss.forum@gmail.com

reetu.mondal98@gmail.com

Registration link:

<https://forms.gle/iZiUB9wDi1AycbQB6>