

## **Students' Annual Webinar**

### **Acyclic diaminocarbene based Thiophene, Bithiophene and Terthiophene bridged Kekulé diradicaloids**

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Kekulé diradicaloids involving  $\pi$ -conjugated spacers are of great interest due to their unique property of switching between diradical form and quinoid form. This diradical character can be tuned by changing the spacers as well as changing the chain length between two diradical centres. In this talk we will present our recent findings on the synthesis and characterisation of isolable acyclic diaminocarbene (ADC)-based Kekulé diradicaloids involving different spacers like thiophene, bithiophene and terthiophene. In the later part of the talk we will also discuss the synthetic methodology and possible isolation of different oxidation states of NHO derived Schlenk Hydrocarbons.

***Friday, May 27<sup>th</sup> 2022***

***4:00 PM***