

Students' Annual Webinar

Bis-*N*-Heterocyclic Olefins Derived Closed- and Open-Shell π -Conjugated Molecules

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Here we will present our recent finding on the synthesis of bis-*N*-heterocyclic olefins derived radical-cations and air stable diradicaloids by one-electron and two-electron oxidation process of the corresponding bis-alkenes respectively. We have considered the *o*, *p*- phenylene, *p*-tetrafluoro phenylene, *p*, *p*"- biphenylene and anthracene as π -conjugated spacer to tune the diradical properties. We have also studied the electrochemistry of mono-and non- π -conjugated systems to show that electron transfer depends upon the nature of spacer.

Wednesday, Apr 27th 2022

5:00 PM