

## Appendix I

### List of Published Papers:

1. **Mishra, A.**, Betal, A., Lama, P., Sahu, S., and Metre, R. K., (2022), " A Non-Football Cage Type Dodecanuclear Organostannoxane: Synthesis, Structure and NDR Behaviour", *Journal of Molecular Structure*, Vol.1265, p.133345.
2. **Mishra, A.**, Betal, A., Kamboj, N., Lama, P., Ji, R. S., Sahu, S., and Metre, R. K., (2022), "Diorganostannoxanes Stabilized by Intramolecular N→Sn Coordination Approach: Synthesis, Structure, TD-DFT and Hirshfeld Surface Analysis", *Journal of Molecular Structure*, Vol.1255, p.132478.
3. **Mishra, A.**, Batar, A., Kumar, R., Khandelwal, A., Lama, P., Chhabra, M., and Metre, R. K., (2021), "Assembly of Di-, Tetra- and Hexanuclear Organostannoxanes Using Hemi Labile Intramolecular N→Sn Coordination: Synthesis, Structure, DFT and Antibacterial Studies", *Polyhedron*, Vol.209, p.115487.
4. **Mishra, A.**, Kumar, R., Khandelwal, A., Lama, P., Chhabra, M., and Metre, R. K., (2021), "Hemi Labile Intramolecular N → Sn Coordination in a Diorganotin (IV) Sulfide  $[R_2Sn(\mu-S)]_2$  (R = 2-phenylazophenyl) Complex: Synthesis, Structure, DFT-NBO and Antibacterial Studies", *Polyhedron*, Vol.205, p.115302.
5. **Mishra, A.**, Kumar, R., Lama, P., and Metre, R. K., (2021), "Octanuclear Organotin Copper Sulfide Cage  $[(RSnCu)_4(\mu_3-S)_8] \cdot 2CHCl_3$  (R = 2-phenylazophenyl) Assembled using Intramolecular Coordination Approach: Synthesis, Structure and DFT-NBO-AIM Analysis", *Journal of Molecular Structure*, Vol.1239, p.130458.
6. **Mishra, A.**, Betal, A., Kumar, R., Lama, P., Sahu, S., and Metre, R. K., (2021), "Dinuclear Monoorganostannoxane  $[(RSn^{IV})_2(\mu-OH)(\mu-OCH_3)Cl_4] \cdot CH_3OH$  (R= 2-(Phenylazo)phenyl) Assembled Using Intramolecular Coordination Approach: Design of Organostannoxane-Based NDR Device", *ACS Applied Electronic Materials*, Vol.3, No.1, pp.203–210.
7. **Mishra, A.**, Betal, A., Pal, N., Kumar, R., Lama, P., Sahu, S., and Metre, R. K., (2020), "Molecular Memory Switching Device Based on a Tetranuclear Organotin Sulfide Cage  $[(RSn^{IV})_4(\mu-S)_6] \cdot 2CHCl_3 \cdot 4H_2O$  (R = 2-(Phenylazo)phenyl): Synthesis, structure, DFT studies, and memristive behavior", *ACS Applied Electronic Materials*, Vol.2, No.1, pp.220–229.

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- Adeyemi, J. O., and Onwudiwe, D. C., (2018), "Organotin(IV) dithiocarbamate complexes: Chemistry and biological activity", *Molecules*, Vol.23, No.10, pp.1-27.
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