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- 1. Vijayapritha, S., Murugan, K., **Viswanathamurthi, P.,** Vijayan, P. and Kalaiarasi, C., 2020. Synthesis and structural characterization of facile ruthenium (II) hydrazone complexes: Efficient catalysts in α-alkylation of ketones with primary alcohols via hydrogen auto transfer. *Inorganica Chimica Acta*, *512*, p.119887.
- 2. Murugan, K., Vijayapritha, S., Nirmala, M., Viswanathamurthi, P. and Natarajan, K., 2020. Hydrazone complexes of ruthenium (II): Synthesis, crystal structures and catalytic applications in Nalkylation reactions. *Journal of Organometallic Chemistry*, 923, p.121411.
- 3. Murugan, K., Vijayapritha, S., Kavitha, V. and **Viswanathamurthi, P.**, 2020. Versatile formation of Ru (II) hydrazone complexes: Structure, theoretical studies and catalytic activity in α-alkylation. *Polyhedron*, 190, p.114737.
- 4. Vijayan, P., Vijayapritha, S., Ruba, C., **Viswanathamurthi, P.** and Linert, W., 2019. Ruthenium (II) carbonyl complexes containing thiourea ligand: Enhancing the biological assets through biomolecules interaction and enzyme mimetic activities. *Monatshefte für Chemie-Chemical Monthly*, *150*(6), pp.1059-1071.
- 5. Gomathi, A., Vijayan, P., **Viswanathamurthi, P.**, Suresh, S., Nandhakumar, R. and Hashimoto, T., 2017. Organoruthenium (II) compounds with pyridyl benzoxazole/benzthiazole moiety: studies on DNA/protein binding and enzyme mimetic activities. *Journal of Coordination Chemistry*, 70(10), pp.1645-1666.
- 6. Vijayan, P., **Viswanathamurthi, P.**, Sugumar, P., Ponnuswamy, M.N., Malecki, J.G., Velmurugan, K., Nandhakumar, R., Balakumaran, M.D. and Kalaichelvan, P.T., 2017. Solvent-assisted formation of ruthenium (II)/copper (I) complexes containing thiourea derivatives: Synthesis, crystal structure, density functional theory, enzyme mimetics and in vitro biological perspectives. *Applied Organometallic Chemistry*, *31*(7), p.e3652.
- 7. Premkumar, P., Manikandan, R., Nirmala, M., **Viswanathamurthi**, **P.** and Malecki, J.G., 2017. Efficient and versatile catalysis for β-alkylation of secondary alcohols through hydrogen auto transfer process with newly designed ruthenium (II) complexes containing ON donor aldazine ligands. *Journal of Coordination Chemistry*, 70(17), pp.3065-3079.
- 8. Nirmala, M. and Viswanathamurthi, P., 2016. Ruthenium (II) complexes bearing pyridine-functionalized N-heterocyclic carbene ligands: Synthesis, structure and catalytic application over amide synthesis. *Journal of Chemical Sciences*, 128(11), pp.1725-1735.
- 9. Nirmala, M. and **Viswanathamurthi**, **P.**, 2016. Design and synthesis of ruthenium (II) OCO pincer type NHC complexes and their catalytic role towards the synthesis of amides. *Journal of Chemical Sciences*, 128(1), pp.9-21.
- 10. Anitha, P., Manikandan, R. and **Viswanathamurthi, P.**, 2015. Palladium (II) 9, 10-phenanthrenequinone N-substituted thiosemicarbazone/semicarbazone complexes as efficient catalysts for N-arylation of imidazole. *Journal of Coordination Chemistry*, 68(19), pp.3537-3550.