

TEMATICA DE CONCURS

Denumirea proiectului: Noi sisteme catalitice bazate pe elementele grupei 14 pentru valorizarea biomasei. cod proiect: PN-IV-P2-2.1-TE-2023-0612

Denumirea postului: Chimist (masterand)

Tematica de concurs:

Metode de sinteză, separare și caracterizare a compușilor organici și organometalici, cu accent pe liganzi de tip pincer. Metode de analiză fizico-chimice uzuale, folosite pentru caracterizarea compușilor organici, organometalici, cu accent pe liganzi de tip pincer.

Bibliografie:

1. *A non-symmetric sulfur-based O,C,O-chelating pincer ligand leading to chiral germylene and stannylene*, Noemi Deak, Olivier Thillaye du Boullay, Ionut-Tudor Moraru, Sonia Mallet-Ladeira, David Madec, Gabriela Nemes, *Dalton Transactions*, **2019**, 48, 2399-2406.
2. *Bis-Sulfonyl O,C,O-Chelated Metallylenes (Ge, Sn) as Adjustable Ligands for Iron and Tungsten Complexes*, Noémi Deak, Petronela M. Petrar, Sonia Mallet-Ladeira, Luminița Silaghi-Dumitrescu, Gabriela Nemeș, David Madec, *Chemistry – A European Journal*, **2016**, 22, 1349-1354.
3. *Synthesis and characterization of a novel bis-sulfoxide and its evaluation as a ligand in p-block chemistry*, Noémi Deak, Olivier Thillaye du Boullay, Sonia Mallet-Ladeira, Ionuț-Tudor Moraru, David Madec, Gabriela Nemes, *European Journal of Inorganic Chemistry*, **2020**, 3729–3737.
4. *The role of monoanionic aryl pincer ligands in the stabilization of group 14 metallylenes*, Noemi Deak, David Madec, Gabriela Nemes, *European Journal of Inorganic Chemistry*, **2020**, 2769-2790.