

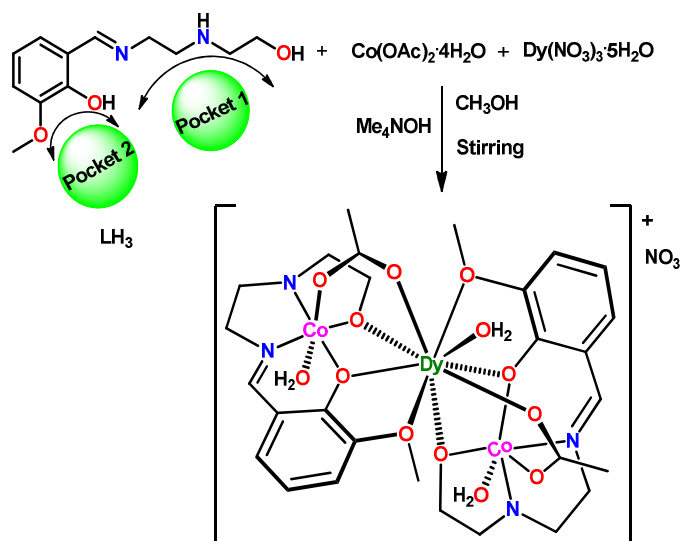
Colloquium

Single-molecule and single-ion magnets

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Heterometallic complexes containing an open shell first row transition metal ion and a lanthanide metal ion have been of interest from the point of view of their magnetism. The single-ion anisotropy of many lanthanide ions coupled with their high ground-state spin has rendered the investigation of such heterometallic complexes as well as homometallic lanthanide complexes very attractive. This talk will summarize a chemist's perspective in this area particularly with respect to the design of polyfunctional ligands and their capability to assemble homo- and heterometallic complexes.



1. Das, S.; Bejmochandras, K. S.; Dey, A.; Biswas, S.; Reddy, M. L. P.; Morales, R.; Ruiz, E.; Titos-Padilla, S.; Colacio, E.; Chandrasekhar, V. *Chem. Eur. J.* 2015, 21, 6449-6464
2. Goura, J.; Brambleby, J.; Goddard, P.; Chandrasekhar, V. *Chem. Eur. J.* 2015, 21, 4926-30

Wednesday, Nov 4th 2015

4:00 PM (Tea/Coffee at 3:45 PM)

Seminar Hall, TCIS