Coordination chemistry of manganese and iron with N,O-donor ligands: oxidation catalysis and magnetochemistry of clusters

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Curriculum Vitae

The author of this thesis was born on 18th May 1978 in Pune, India. She graduated from S. P. College, Pune University in May 1998 with a bachelor's degree in chemistry and obtained the Master of Science (1998-2000) degree in Pune University in July 2000. During that period she qualified the NET examination which is essential to become a faculty member in Indian Universities. She started her PhD in Leiden University in September, 2001, in the Coordination and Bioinorganic Chemistry (CBAC) group. During this period she worked on the coordination chemistry of manganese and iron with N,O-donor ligands with respect to their use in catalytic oxidations and cluster chemistry under the guidance of Dr. Elisabeth Bouwman and Prof. dr. Jan Reedijk. The work during PhD has resulted in this thesis.

During the PhD period 1st years inorganic practical courses were supervised and three students have been supervised during their research projects.

Several courses including HRSMC Molecular modeling course (2003), Science and Journalism course (2002), HRSMC autumn school (2002) and NIOK catalysis course (2003) have been followed during the PhD. Parts of the work presented in this thesis have been presented in national and international meetings and conferences: the NCCC-III, NCCC-IV, NCCC-V and NCCC-VI in Noordwijkerhout, The Netherlands in 2002, 2003, 2004 and 2005 respectively; DD5 in Noordwijkerhout, The Netherlands in 2003, ICCC36, in Merida, Mexico in 2004; Biocatalysis meeting in Noordwijkerhout in 2005; and ADHOC-9 in Köln, Germany in 2005. During the NCCC-V as well as ICCC36, oral presentations have been given. The research was supported by Netherlands organization for scientific research.

From 1st October 2005, the author is working as a postdoctoral researcher at Groningen University in the group of Prof.dr. Bart Hessen.