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**Academics:** M.Sc (Inorganic as Major).; Ph.D.

**Teaching Interests:** Inorganic Chemistry

**Research Interests:** Coordination Chemistry/Bioinorganic Chemistry/Self-assembled receptors for ions and biomolecules

**Award/Achievements:** GATE 1997; UGC-CSIR Examination (NET) 2000

**Projects:** (i) University Grants Commission Minor Research Project for Teachers under XI Plan guidelines (awarded on January, 2012; No. PSW-176/11-12 (ERO) dated 25.01.2012)

*Title of the proposal:* Unsymmetric Compartmental Ligands for Metallobiosite Modelling

(ii) University Grants Commission Minor Research Project for Teachers under XII Plan guidelines (awarded on November, 2016; No. PSW-233/15-16 (ERO) dated 21.11.2016 & 02.01.2017)

*Title of the proposal:* Temperature Dependent Magnetic Susceptibility and Equilibrium Studies in Solution: Evans's Method

**List of Publications:**

(i) Kinetically locked luminescent metallomacrocycles as duplex DNA binding substrates

**Ghosh, D.;** Ahmad, H.; Thomas, J. *Chem. Commun.* **2009**, 2947-2949.

(ii) Using ancillary ligands to tune the DNA binding properties of self-assembled luminescent metallomacrocycles

Ahmad, H.; **Ghosh, D.;** Thomas, J. *Chem. Commun.* **2014**, 3859-3861.