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Education and experience

- PhD: (**2007**) Indian Institute of Technology, Bombay, Mumbai with Prof. M. S. Balakrishna
- Post-doc: (**2007-2010**) Rutgers University, New Jersey, USA with Prof Alan S. Goldman
- Post-doc: (**2010-2011**) Alexander von Humboldt Research Fellow, University of Goettingen, Germany with Prof. Lutz Ackermann

Achievements

- **2010** Alexander von Humboldt Fellowship, Germany
- **2006** Prof. R. C. Tripathy Young Scientist Award, OCS, Odisha

Research subjects:

- Organometallic Chemistry and Homogeneous Catalysis

Research Areas

- Development of Phosphine and Carbene-based Ligand Systems
- Synthesis of Organometallic Complexes
- Homogeneous Catalysis: Activation of Small Organic Molecules and C− H bond Functionalization
- Mechanistic Studies

Recent publications

● Ackermann, L.; **Punji, B.**; W, Song; "User-Friendly [(diglyme)$NiBr_2$]-Catalyzed Direct Alkylations of Heteroarenes with Unactivated Alkyl Halides through C–H Bond Cleavages" *Adv. Synth. Catal.* **2011**, *353*, 3325-3329.

● Ahuja, R.; **Punji, B.**; Findlater, M.; Suplee, C.; Schinski, W; Brookhart, M.; Goldman, A. S. "Catalytic Dehydroaromatization of n-Alkanes by Pincer-Ligated Iridium Complexes" *Nature Chem.* **2011**, *3*, 167-171.

● **Punji, B.**; Emge, T. J.; Goldman, A. S. "A Highly Stable Adamantyl-Substituted Pincer-Ligated Iridium Catalyst for Alkane Dehydrogenation" *Organometallics* **2010**, *29*, 2702-2709.

● **Punji, B.**; Mague, J. T.; Balakrishna, M. S. **"**Highly Air-Stable Anionic Mononuclear and Neutral Binuclear Palladium(II) Complexes for C-C and C-N Bond-Forming Reactions" *Inorg. Chem.* **2007**, *46*, 11316-11327.

● **Punji, B.**; Mague, J. T.; Balakrishna, M. S. "Thioether-Functionalized Ferrocenyl-bis(phosphonite), $Fe\{(C_5H_4)P(\text{-}OC_{10}H_6(\mu\text{-}S)C_{10}H_6O\text{-})\}_2$: Synthesis, Coordination Behavior, and Application in Suzuki-Miyaura Cross-Coupling Reactions" *Inorg. Chem.* **2007**, *46*, 10268-10275.