

## Professor Abhik Ghosh - Biography



**ABHIK GHOSH**

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Abhik Ghosh is an inorganic and theoretical chemist at UiT – The Arctic University of Norway, the world's northernmost inorganic chemistry. In the 1990s, he was one of the first to apply modern quantum chemical methods to bioinorganic systems, focusing on porphyrins and metalloporphyrins. His calculations helped debunk the 'steric model' of ligand discrimination by heme proteins, emphasizing instead the role of hydrogen bonding in the distal pocket. In recent years, he has developed the coordination chemistry of corroles and other porphyrin analogues, focusing on 5d transition metals. For additional details, see: <https://orcid.org/0000-0003-1161-6364>.