



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान

**NATIONAL INSTITUTE OF PHARMACEUTICAL
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Press Release

Evolution of India-Egypt Project at NIPER, SAS Nagar

Prof. Abdou Saad El-Tabl, a renowned organic chemist, Head of inorganic and bioinorganic group, Chemistry department, Faculty of science, Menoufia University, Egypt, is here at NIPER, SAS Nagar for evolution of research project. 10 days . The visited NIPER, S.A.S. Nagar for the period of 10 days. This is a exchange visit where the project investigators of both institutes visit the host institutes to carry out research.

A joint research grant under the India-Egypt agreement on science and technology cooperation has been approved between NIPER, S.A.S. Nagar and Menoufia University in 2017. This is a two years project based on exchange visit.. The approved project entitled is "Synthesis, spectroscopic, characterization and molecular modelling studies on new metal chelates as therapeutic agents".

His expertise is in synthesis of metal complexes and evaluation them for various therapeutic areas such as anticancer and antibacterial. Prof. Moshira Mohamed Abd El Wahed from Department of Pathology, Faculty of Medicine, Menoufia University is also accompanying during his visit to NIPER. Her expertise is to carryout *in vitro* and *in vivo* pharmacology. The expertise of the India team is to computationally design and synthesize organic ligands for metal complexation. The focus of research is on compounds with multiple C-N bonds. As a part of this project various metal complexes have been designed, synthesised and evaluated for hepatocellular carcinoma (malignancy of liver). We are glad to inform that a few important metal complexes are showing satisfactory therapeutic profile *in silico*, *in vitro* and *in vivo*.

Dr. Abdou Saad El-Tabl has worked with world's famous universities & institutions some of them are University of applied science of WKW Austria, Amsterdam University Holland, Jena University Germany, Heriot Watt University England, Texas University U.S.A.

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