

Tapan Kumar Dash

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Education

- Phd (2011-2016):

School of Biological Sciences, **National Institute of Science Education and Research**, Bhubaneswar, Odisha, India under the guidance of **Dr V. Badireenath Konkimalla**.

Project: “Combinational nano-formulations of circumvention of chemo-resistance in cancer”.

- Trainee (2009-2010) :

Department of Pharmacology and Toxicology, **Indian Institute of Integrative Medicine**, Jammu Tawi, Jammu, under the guidance of **Dr Surjeet Singh**.

Project: “Gelatin Microspheres of curcumin and cyclophosphamide combinations for reduction of toxicity”

- M. Pharm, Pharmaceutics (2008-2009):

Bharathidarsan Institute of Technology, **Anna University**, Tiruchirapalli, Tamil Nadu, India, project under taken under the guidance of **Dr. N. Subramanian**.

- B. Pharm: (2004-2008):

College of Pharmaceutical Sciences, Berhampur, Odisha, India, under the guidance of Mr. Satya Prakash Singh

Project: “Comparison of different marketed formulations (Tablet and gel) of diclofenac sodium for their drug release study and different evaluating parameters as per Pharmacopeia standards”.

Research Profile

- Development of nano-formulations nano-particles, micelles, liposomes for combinational drug delivery
- P-gp inhibitors in for cancer drug resistance by cyto-toxicity assay and flow cytometry.
- Analytical method development of single or combination of agents.
- Pharmacokinetic analysis, anti-arthritic study, anti-inflammatory study.
- Toxicology study analyzed by biochemistry, cell counting.
- Screening of novel agents for anticancer and P-gp inhibitory property

Awards and honors

- Selected for CSIR senior research fellow in the year 2013.
- Received DAE senior research fellow for the period of 2013-2016.
- Received DAE junior research fellow for the period of 2011-2013.
- Qualified in graduate aptitude test in pharmacy (GPAT) in the year 2010

Future interests

- To develop conjugational drug delivery systems for single or combinational targeted drug delivery.
- To explore novel synthetic materials for pharmaceutical application.