

Faculty CV

Name

Anand K. Kondapi

Designation

Senior Professor

Email

1245

Phone/mobile number

9246212654, 04023134571

Lab/Office room number

F70

Profile photo (1 photo upto 10 MB)

 Anand Kondapi - ...

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Links of Personal webpage/Google scholar/LinkedIn etc.

<https://scholar.google.com/citations?user=MfXEb-EAAAAJ&hl=en>

Broad areas of research (only keywords)

Molecular Therapeutics/ HIV/ Cancer

Professional Experience

Molecular Therapeutics against HIV and Cancer

Education/Training

M.Sc., Ph.D.

Detailed research interests (Upto 2 paragraphs or 10 bullet points)

Development of targeted delivery systems, Development of HIV-1 vaccine, Molecular characterization of HIV-1 associated Topoisomerase II beta kinase

Selected publications (upto 5)

1. Kurumurthy Kammari, Kiran Devaraya, Sarita Swain, Anand K Kondapi, The topoisomerase II β -kinase associated with HIV-1 is a potential target for pyridine-bischalones' anti-HIV-1 activity, European Journal of Medicinal Chemistry, 259, 115623 (2023).
2. Vidya Chitta Voina., Sarita Swain, Nagamani Kammili, G. Mahalakshmi, Anand K. Kondapi, Effect of Early pregnancy associated protein-1 on Spike protein and ACE2 interactions: Implications in SARS Cov-2 vertical transmission, Placenta, 152, 39-52 (2024)
3. Chukhu Muj, Satyajit Mukhopadhyay, Pritikana Jana, Anand K Kondapi. Synergistic action of lactoferrin in enhancing the safety and effectiveness of docetaxel treatment against prostate cancer, Cancer Chemotherapy and Pharmacology, 91 (5), 375-387 (2023)
4. Design, synthesis, and evaluation of HIV-1 entry inhibitors based on broadly neutralizing antibody 447-52D and gp120 V3loop interactions, Jagadeesh Senapathi, Akhila Bommakanti, Srinivas Vangara, Anand K. Kondapi, Bioorganic Chemistry, 116, 105313 (2021) ISSN 0045-2068 (2021)
5. Aurora kinase B siRNA-loaded lactoferrin nanoparticles potentiate the efficacy of temozolomide in treating glioblastoma. Kumari S, Bhattacharya D, Rangaraj N, Chakravarty S, Kondapi AK, Rao NM. Nanomedicine (Lond). 2018 Oct;13(20):2579-2596

Selected projects (upto 5)

Selected patents (a paragraph or upto 5 bullet points)

1. Kondapi, A. K. University of Hyderabad. Novel nanoparticles of apotransferrin/transferrin pharmaceutical composition containing them and their process for preparation (1572/CHE/2006). Indian Product and Process Patent No. 275797 on 31 st August, 2006.
2. Kondapi, A. K. University of Hyderabad. Novel nanoparticles of lactoferrin useful for preparing a pharmaceutical composition facilitating easy delivery of the drug and a process for preparing the same. Indian Patent Appln No. 4657/CHE/2011 dated Dec 30, 2011. Patent No. 387706, granted on 28/1/2022.
3. High active antiretroviral combination drugs loaded lactoferrin nanoparticles for first line and second line therapy. Anand K. Kondapi, University of Hyderabad, Indian Patent Application No. 201641015363, Date of Entry 7th May 2016. Patent No. 383457; Granted on 01/12/2021
4. Novel formulation containing native or recombinant apotransferrin or lactoferrin nanoparticle loaded with biological alone or in combination with chemotherapeutic agent for targeted therapy. Anand K. Kondapi. University of Hyderabad. Indian patent Appln No. 201741017576 dt.19/5/2017. Patent No. 439803 dated 20/7/2023.
5. Novel anti-HIV-1 heteroaromatic compounds targeted to HIV-1 associated Topoisomerase II beta kinase. Anand K. Kondapi, Kurumurthy Kammari, University of Hyderabad. Indian patent Appln No. 201741017390 dt 18/5/2017. Patent No. 385140, granted on 27/12/2021

Current PhD scholars and broad research topics

Ms.Ritika Das: Development of HIV-1 peptide vaccine

Ms.Hema: Characterization of recombinant HIV-1 associated Topo II beta kinase

Ms.Aruna Tara Vennela Maharani Veljala: Development and delivery of HIV-1 DNA vaccine

Ms. Artham Soni: Development of nano formulation for breast cancer treatment

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