

CURRICULUM VITAE

Allakonda Lingesh

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OBJECTIVE

To pursue my career in a Pharmaceutical Research Organization where one's innovative ideas, technical skills and abilities can be utilized for the career advancement and to augment growth of organization. To perform at the best of my mettle and continuously upgrade myself to cope up with dynamic ambience at the academic level so that my skills can be at the cutting edge and be attributed to spruce the prosperity of the students

ACADEMIC CREDENTIALS:

- **Ph.D in Pharmacology and Toxicology (Synopsis submitted)** from National Institute of Pharmaceutical Education and Research, Hyderabad, Telangana.
- **M.S (Pharm.) (Pharmacology and Toxicology)** from National Institute of Pharmaceutical Education and Research, Guwahati, Assam in 2011 with 8.05 CGPA
- **B.Pharmacy** from University College of Pharmaceutical Sciences , Kakatiya University Warangal, Telangana, in 2008 with 74.75%
- **Higher Secondary (12th)** from Jawahar Navodaya Vidyalaya, Choppadandi, Karimnagar, Telangana in 2002 with 70.3%
- **SSC** from Jawahar Navodaya Vidyalaya, Choppadandi, Karimnagar, Telangana in 2000 with 65.6%

POSITIONS HELD

- Worked as Associate Professor at Netaji Institute of Pharmaceutical Sciences, Hyderabad (July 2011- October 2011).
- Worked as Research Scientist at Advinus Therapeutics Ltd., Bangalore (October 2011- February 2014).

- Worked as Research Scholar at National Institute of Pharmaceutical Education and Research, Hyderabad (February 2014- July 2017)

PROJECTS EXECUTED

- **Natural products targeting adipocyte differentiation pathway for the treatment of obesity** – *In vitro* studies were designed to identify antiobesity components from Indian plants using 3T3-L1 preadipocytes. Mechanisms for their activity are delineated by protein and gene expression studies. Initiated *in vivo* studies for the same.
- **Anticholinesterase pharmaceuticals from natural origin for treatment of Alzheimer's disease** – Plant extracts were screened for their Acetylcholinesterase and Butyrylcholinesterase inhibitory activity *in vitro*. Extracts were further examined for their anti amyloidogenic activity in mouse neuroblastoma cells (N2A). Molecular mechanisms were elucidated by various staining and protein expression studies.
- **Pharmacokinetic and Tissue distribution studies for New Chemical Entities** – NCE's were dosed through jugular vein and/or oral route and their plasma, tissue pharmacokinetic parameters were calculated using WinNonlin™ software.
- **Protective effect of Hydro Ethanollic extract of *Commelina benghalensis* on Cyclophosphamide induced toxicity** – The extract showed protective effect against cyclophosphamide induced systemic and genetic toxicities when administered orally by reducing oxidative stress

EXPERIMENTAL SKILLS

- Animal handling (Rat, Mice, Rabbit, Dog and Guinea pig.)
- Basic Pharmacological procedures like Blood collection different routes of administration and visceral isolation.
- Pharmacokinetic Studies in Rodents and Non rodents.
- Jugular vein and Carotid artery and Bile duct Cannulations
- *In vivo* animal models for Obesity, CNS, Diabetes and Inflammation
- Maintenance of cell lines, planning and execution of *in vitro* experiments for mechanistic studies and target identification.

- Male Reproductive parameters like Sperm count, motility, Daily sperm production, Abnormal Morphology, Acrosomal integrity, Protamine content, Sperm Oocyte Binding Assay (SOBA) Sperm plasma membrane integrity.
- Protein expression analysis by western blotting and real time PCR
- Documentation and statistical interpretation of data

COMPUTER PROFICIENCY:

Windows operating system and programs like MS Office (word, excel, power point), Chem office, Reference management software (Endnote X1), Sigma Stat, Sigma Plot , Image-J, Adobe Photoshop, Report drafting and presentations, Scientific data retrieval from various search engines and patent databases.

ACHIEVEMENTS

- Secured (All India 314 rank) in NIPER JEE-2009 exam conducted by National Institute of Pharmaceutical Education and Research (NIPER).
- Qualified GATE-2009 with percentile of 96.32 organized by Indian Institute of Technology. Roorkee.
- Qualified in MANIPAL entrance examination with 113 rank
- Qualified in PG CET 2008 with 98 rank.

RESEARCH PUBLICATIONS

1. Isolation, characterization using LC-ESI-QTOF, NMR and in vitro cytotoxicity assay of Niclosamide forced degradation products. P Johnsirani, Vishnuvardhan Ch, A Lingesh, VGM Naidu, Naveen Ch, N Satheeshkumar. Journal of Pharmaceutical and Biomedical Analysis 136 (2017), 148-155. (Impact Factor: 3.169)
2. LC-ESI-MS/MS evaluation of forced degradation behaviour of silodosin: In vitro anti cancer activity evaluation of silodosin and major degradation products. Chiguru Vishnuvardhan, Baikadi Saibaba, Lingesh Allakonda, Debasish Swain, S Gananadhamu, R

Srinivas, N Satheeshkumar. *Journal of Pharmaceutical and Biomedical Analysis* 134 (2017), 1-10. (Impact Factor: 3.169)

3. Prevention of Adriamycin induced cardiotoxicity in rats — A comparative study with subacute angiotensin-converting enzyme inhibitor and nonselective beta blocker therapy. Ajay Godwin Potnuri, **Sundar Kumar Kondru**, **Pavan Kumar Samudrala**, Lingesh Allakonda. *IJC Metabolic and Endocrine* 14 (2017), 59-64

4. Forced degradation study of racecadotril: Effect of co-solvent, characterization of degradation products by UHPLC-Q-TOF-MS/MS, NMR and cytotoxicity assay. Vishnuvardhan Chiguru, **Allakonda Lingesh**, Srinivas R., Satheeshkumar N. *Journal of Pharmaceutical and Biomedical Analysis* 128 (2016), 9-17. (Impact Factor: 3.169)

5. Targeting histamine-2 receptor for prevention of cardiac remodelling in chronic pressure overload. Ajay Godwin Potnuri, **Lingesh Allakonda**, Arulvelan Appavoo, Sherin Saheera, Renuka R. N. *International Journal of Cardiology* 202 (2016), 831-833. (Impact Factor: 4.638)

6. Synthesis and biological evaluation of oxindole linked indolyl-pyrimidine derivatives as potential cytotoxic agents. Santosh Kumar Prajapati, Atulya Nagarsenkar, Sravanthi Devi Guggilapu, Keshav Kumar Gupta, **Lingesh Allakonda**, Manish Kumar Jeengar, V. G. M. Naidu, Bathini Nagendra Babu. *Bioorganic and Medicinal Chemistry Letters* 26(2016), 3024-3028. (Impact Factor: 2.486)

7. A sensitive and selective liquid chromatography mass spectrometry method for simultaneous estimation of anti-diabetic drugs inhibiting DPP-4 enzyme in human plasma: overcoming challenges associated with low recovery and sensitivity. S. Santhi kumar, N. Satheesh kumar, B. Prasanth, A. Lingesh, David Paul, R. Srinivas. *Analytical Methods*, 15 (2015), 6198-6206. (Impact Factor: 1.915)

8. Anxiolytic effect of ethanolic extract of *Oxalis corniculata* L in mice, T Sai Sampath, P Santosh, M Lahkar, P Ajaygodwin, **Lingesh Allakonda**, S Pavan Kumar, *International Journal of Pharma Bio Sciences* 2 (2011), 281-290.

Publications under Review

1. Anti adipogenic and anti obesity potential of Myristica fragrans and its active constituents. **Lingesh Allakonda**, Ajay Godwin Potnuri, David Paul, V.G.M. Naidu, Satheesh Kumar N. Journal of Functional Foods.

Book chapters

1. Liquid Chromatography–Mass Spectrometry (LC–MS): Approaches to Adulterant Detection in Herbal Products. N Satheesh Kumar, David Paul, **Lingesh Allakonda**. Springer Singapore, 2016, pp 73-95

2. Spices- Potential therapeutics for Alzheimer’s Disease. Satheeshkumar N, R.S.K Vijayan, **Lingesh A**, Santhikumar, S. Vishnuvardhan Ch. Springer International, 2016, pp 57-78.

PERSONAL PROFILE

Father’s Name : Chandra Sayabu
Date of Birth : 05th of August 1986
Languages Known : Telugu, English, and Hindi
Nationality : Indian
Permanent Address : Plot No-19, Sreedhar colony, Saroornagar
Ranga Reddy, Hyderabad, Telangana 500097

DECLARATION

I hereby declare that the above given information are true complete and correct to the best of my knowledge and belief.

Place: Hyderabad

Lingesh Allakonda

G.PULLA REDDY COLLEGE OF PHARMACY
HYDERABAD