

## CAREER OBJECTIVE

Be a part of an organization that recognizes my skills and provides me with suitable environment to perform to the best of my ability.

## ACADEMIC PERFORMANCE

- 2011- Present: 3rd year Integrated PhD in IISER Kolkata
- 2007-2011: B.Tech BIOTECHNOLOGY in GITAM UNIVERSITY, Visakhapatnam: 7.87
- 2005-2007: Intermediate Education (Board of Secondary Education, Andhra Pradesh) : 93%
- 2003-2004: SSC examination (Board of Secondary Education, Andhra Pradesh) : 81%

## SKILLS

### **Languages known:**

- English ,Telugu, Hindi

### **Computer:**

### **Programming:**

1. Basic programming in C, C++,perl
2. Operating system- Ubuntu, Windows

## PUBLICATIONS

### Research articles:

- Y. Ram Babu , K. Rama Krishnaa, M. Lakshmi Narasu, Hari Narayana A, **M.Taraka Ramji** .Docking studies of carbohydrate ligands against native and mutant Surfactant Protein-D from Lung Alveolar Type II cells, **Der Pharma Chemica**,2010, 2(2):27-36.
- P. Uma Devi, K. Aruna Lakshmi, **M. Taraka Ramji**, P.Akbar Ali Khan. *In vitro* And *In silico* Evaluation Of Metal Complexes Of Quinazolinones Incorporated With Amino Acids As Potential Antimicrobial Agents. **Journal of Pharmacy Research** 2010, 3(11), 2765-2768.
- **M Taraka Ramji**, K Deepthi, K Aruna Lakshmi and P Uma devi. *In silico* docking analysis of piperine amino acid analogues against carcinogenic activating enzymes, **Journal of Proteomics and Bioinformatics**, 2011, S1,026.
- Y. L.N. Murthy, Abdul Rajack, **M. Taraka Ramji**, J. Jesonbabu, C. Praveen. Design, Solvent free Synthesis, and antimicrobial evaluation of 1, 4 Dihydropyridines. **Bioorg Med Chem Lett**. 2012, 22(18), 6016-23.
- P.Umadevi , K.Deepti, I. Srinath, G.Vijayalakshmi, **M.Tarakaramji**. Synthesis and in-vitro antibacterial activity of some new urea, thiourea and thiosemicarbazide derivatives. **International Journal of Pharmacy and Pharmaceutical Sciences**, 2012, 4(3).
- GVR. Sharma, S. Laxman, YLN. Murthy, K. Aruna Lakshmi, G. Jeson Babu and **M. Tark Ramji**. Synthesis of Novel Deoxyvasicinone Analogs and their Anti-Bacterial Studies. **International Journal of Advances in Pharmacy, Biology and Chemistry**, 2012, 1 (3).
- Satyanarayana Rentala , VSPK Sanakara Aditya J , Naresh Kumar L, **Taraka Ramji**, Aruna Lakshmi Komarraju. Docking Studies of Piperine with some Drug Transporters. **International Journal of Scientific Research**, 2012, 1 (5).

### Reviews:

- K.V. Chaitanya, Akbar Ali Khan .P, V. Prasanth Reddy, Rishabh Lakhtakia and **M. Taraka Ramji**. Role of high-throughput sequencing technologies in genome sequencing. **International Journal of Advanced Biotechnology and Research**,

1(2), 2010, 120-129.

- Rishab Lakhtakia, **M. Taraka Ramji**, K. Lavanya, K. Rajesh, Kannan Jayakumar, C. Sneha, A. Narayan, B. Ramya, G. Ramana, P.V. Bramha Chari and K.V. Chaitanya. The role of antioxidants in human health maintenance: small molecules with infinite functions. **International Journal of Pharmaceutical Sciences and Research**, 2011; Vol. 2(6): 1395-1402

#### TECHNICAL PRESENTATION & CONFERENCES

- *In silico* Protein-Ligand Docking Analysis and Mutational Studies of the Surfactant Protein-D from Lung Alveolar Type-II cells in IIT Roorkee (COGNIZANCE 2010).
- Binding affinities of hydrophilic pulmonary surfactant proteins with surface proteins of microbes and pollen allergens using molecular docking studies in **National Conference on Innovations in Biotechnology-2010** (SRM University).
- *In-silico* Studies -A Potential Tool to Accelerate Discovery of New Drugs in **International Conference on Biotechnology: A Global Scenario-2010** (Kakatiya University).
- *In-silico* studies on the Evaluation of Hydroxychavicol as Potential Antimicrobials. **2nd International conference on bioinformatics and systems biology**. (Annamalai University)
- Effect of Piper betel extract on Multi drug resistant bacteria of clinical origin. **15<sup>th</sup> Annual conference and first international convention of society of pharmacology**. (KLE University) (Co-Author)
- *In silico* docking analysis of piperine amino acid analogues against carcinogenic activating enzymes. **World congress on Biotechnology-2011**.
- *In vitro* and *In silico* evaluation of piperine analogues as anti-cancerous and antimicrobial agents. **National conference on Natural Product Research: for health and Bio-Pharm Industry**. (KCT). (Co-Author).
- Understanding the Complexity of Perception and Correlation To Visual Pathways. **International Conference on Looking Within: Interdisciplinary Approaches to Consciousness**. (NIAS)

- An Omics guide to smallRNA-target interaction. **Departmental Day, Department of Biological sciences, IISER kolkata.**

#### BOOKS

Pandey, S.P., Moturu, T.R. and Pandey, P. (2013) In Mandal, S. S. (ed.), Recent Trends in Gene Expression. Nova Publishers, Chapter 5, pp. 107-132

#### IN-PLANT TRAINING

- Production of Lovastatin and analysis in Krebs Biochemicals & Industries Pvt ltd, Visakhapatnam.
- Molecular docking studies in Translational Research Institute of Molecular Sciences Labs.

#### AWARDS AND FELLOWSHIPS

- Indian Institute Of Science Education and Research Fellowship.
- Best Poster award in **International Conference on Biotechnology: A Global Scenario-2010.**
- MPG-DST fellowship for three months May-Aug 2013.

#### EXTRA- CURRICULAR ACTIVITIES & ACHIEVEMENTS

- Event organizer of Biomical '08, '09, and '10.
- Won medals in Martial arts (Taekwondo) at the interschool games and participated in the National level.
- Qualified in the 8 Exams conducted by Dakshina Bharat Hindi Prachar Sabha (DBHPS), Chennai.
- Student placement coordinator in GIT, GITAM University.
- Selected as Assistant Systems Engineer in TATA consultancy service.

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## REFERENCES

- 1) Dr. Shree Prakash Pandey, Asst. Professor, Department of Biological Sciences, IISER-K Email ID: sppandey@iiserkol.ac.in
- 2) Dr. K. Aruna Lakshmi, Professor, GIT, GITAM University  
Phone no: +919989722304. Email ID: [ravikomarraju@rediffmail.com](mailto:ravikomarraju@rediffmail.com)
- 3) Dr. Akbar Ali khan Pathan, Asst. Professor, Department of Biochemistry, King Saud University. Email ID: paakhan@gmail.com