

BIO-DATA

- Name : Dr. Sumakanth M
- Date of Birth : 15/06/1966
- Educational Qualification : Ph.D.(Pharmaceutical Sciences)(2006)
Andhra University
- M.Pharmacy(Pharm.Chemistry)(1991)
Ist Division
Andhra University
- B.Pharm, Ist division(1988)
Andhra University
- PGCAQM (Post Graduate Diploma in
Chemical Analysis and quality Management)
University of Hyderabad
- Protein Modeling & Rational Drug Design-
GVK-Biocampus(6 months course)
- Work Experience : **Principal/Professor** -2006 onwards
RBVRR Women's College Of Pharmacy,
Barkatpura, Hyd.-27
Associate professor-March 2005 onwards
Sr.Lecturer- (2002-2005)
Lecturer-1995-2001-G.Pulla Reddy College
of Pharmacy(B.Pharm)
Head of Dept.- D.Pharm 1991-1994
G.Pulla Reddy Jr. College .
Apprentice Trainee - M/s. Nacto Pharma
Limited (1988-1989)
- Work Shop : Refresher course in Chemistry at **Central
University**-Three weeks.
Molecular Modelling & Pharmaco-informatics
At **NIPER**,Mohali-**Punjab**-one week.
- Paper presentation : **1.** Chaloranil mediated dehydrogenation of 6-
aryl-4,5-dihydro-pyridazin-3(2H)-ones.
at **National seminar-2003 ,Andhra University.**
- 2.** PTC-assisted Thiation of Pyridazine-3(2H)-
ones. **APTI Convection -2004,at Andhra university.**

3. Synthesis and biological evaluation of some new Pyridazinotriazines.(M.Pharm. student)
4. Synthesis, analgesic and anti-bacterial activity of 2,6-diaryl-imidazo[1,2-b]pyridazines and 2,6-diaryl-thiazolo[3,2-b]pyridazines respectively.(1st Best paper award).
5. Synthesis and biological evaluation of some new pyridazin-3(2H)-ones.(M.pharm student 2nd best paper award).–
National Seminar on Recent Emerging Trends in Medicinal Chemistry,2005, Kakatiya University.
6. Rapid, Micro-wave-induced synthesis and Analgesic activity of some new new 3,7-Diary-4H-Pyridazino[6,1-c][1,2,4]traizines.
American Association of Pharmaceutical Sciences.(AAPS),2005, Nashville U.S.A.
7. Computer Aided Drug Design Study of Fructose 1,6 Bisphosphatase Variants to find potential Type II Diabetic Inhibitors-**57th Hyderabad,IPC-2005.**
8. Three –dimesional Chemical –Feature-based Pharmacophore model generation for acetamino nitriles as cathepsis K inhibitors at **58th IPC , Mumbai , -2006**
9. Virtual screening of Cathepsin k inhibitors using docking and pharmacophore models at the **233rd ACS National meeting in the session Rational drug design in Chicago,USA.**

- Publications :
1. Calculation of Relative Binding attinities of Fructose 1,6 Bisphosphatose Mutants with Adnosine monophosphate using free Energy perturbation method. **J.Computational Chemistry 28:932-937, 2007.(IN)**
 2. Synthesis and Pharmaceutical evaluation of new 2,6-disubstituted 2H-Pyridazin-3-ones Indian **J. Pharmaceutical Research vol.6, No.3, july 2007: 166-169.(IN)**
 3. Virtual Screening of Carhepsin K inhibitors Using Docking and pharmacophore models. **Chem.Biol.**

Drug Des.2008; 72: 79-90.(IN)

4. SYNTHESIS OF SOME NEW IMIDAZO[1,2-b]PYRIDAZINES **International Journal of Pharmaceutical Sciences and Nanotechnology (Volume 2.Issue1.April-June 2009).(IN)**
5. Advances in binding Free Energies calculations: QM/MM-Based Free Energy perturbation method. **Journal of Current Pharmaceutical Design (Vol 19,Number 26 August 2013 4674-86)(N)**
6. **Synthesis and Docking studies of novel 2-substituted -6-Aryl pyridazin-3(2H) –ones as 5HT_{2A}A antagonists International Journal of computational and medicinal chemistry 2013, 01(1),8-18.(IN)**
7. Nitrozen Bridged imidazo pyrimidine acetamides: synthesis, molecular docking , toxicity prediction and antiproliferative studies **Europeon Journal of Biomedical and pharmaceutical sciences ISSN : 2349-8870 Vol:4(5);Pp:313-320 year 2017.(IN)**
8. Synthesis Insilico and Invitro Anticancer Screening of some novel Nitrogen bridged Imidazopyrimidines, *Der Pharma Chemica* ISSN:0975-413X, Vol:8(11); pp.185-190 year 2016.(N)
9. Design,Synthesis of N-(Substituted Imidazo[1,2-B]pyridazine) Acetamides and their Anti Proliferatives studies on BRAFV600E Mutated A375 and colo-205 cell lines ,**IOSR Journal of pharmacy and Biological sciences (IOSR-JPBS) e-ISSN: 2278-3008, p-ISSN: 2319-7676, Vol:12(3) Ver.III PP 84-91,May 2017.(IN)**
10. In silico and invitro anti proliferative studies of soma noval benzimidazo substituted imidazo [1,2-b]pyridazine 2-ones,Ankara Universitesi eczacilik fakultesis dergisi,June 2017 (IN)
11. Synthesis,Molecular Docking and biological evaluation of novel N- Benzyloxy)-6-Flurochromone-2-Carboxamides and N-(Benzyloxy)-Chrome-3-Carboxamides as Analgesic and Anti-inflammatory Agents.**Der Pharma Chemica 2018,10(5)94-103.(N)**

12. Synthesis ,Molecular Docking ,Analgesic, and Anti – Inflammatory Activities of New 1,2,4-Oxadiazolo-sulfonamides ,**Russian Journal of General Chemistry,88(4),pp 804-811,2018(Impact factor-0.553).(IN)**
13. Screening of Analgesic activity of Methanolic Extract and its fractions of Alternanthera Pungens” **IOSR Journal of Pharmacy and Biological Sciences(IOSR-JPBS)e-ISSN:2278-3008,p-ISSN:2319-7676.Volume 13 ,Issue 4 Ver.VI(Jul-Aug 2018),PP53(N)**
14. ICH –guidelines-Q-series (quality guidelines)-a review, GSC Biological and pharmaceutical screening vol 6,Issue 3,2019,89-106(N)
15. ICH –guidelines-E-series (Efficacy guidelines)-a review International Journal of Pharmacy and biological science Vol 9 ,Issue 3, 2019(IN)
16. ICH –guidelines-S-series (Safty guidelines)-a review International Journal of Pharmacy and biological science Vol 8 ,Issue 5,May 2019,897-924(IN)
17. Method development and validation for the estimation of Esmolol Hydrochloride in bulk and ophthalmic by UV visible spectrophotometer,Paripex-Indian Journal of Research- an International Journal,Vol 8 ,Issue 6, June 2019(IN)
18. Method development and validation for the estimation of dapagliflozin in bulk and tablet dosage form by UV visible spectrophotometer, International Journal of Recent scientific research,Vol 10 ,Issue 6, June 2019(IN)
19. Development and validation of UV spectroscopic method for estimation of canagliflozin in bulk and pharmaceutical dosage form ,International journal of current medical and Pharmaceutical research,vol 5,Issue 6,June 2019(IN)
20. Significant Green Chemistry Metrics: Role Of Atom Economy And Reaction Mass Efficiency In Chemical Process, *Journal of Emerging Technologies and Innovative Research* , April 2019, Volume 6, Issue 4,526-532.(N)

21. Review On Production Of Statins By Fermentation Technology, JETIR, June 2019, Volume 6, Issue 6,697-703.(N)
22. Synthesis And Antibacterial Activity Of Mannich Bases Of Coumarins, ejbps, 2019, Volume 6, Issue 8, 288-294.(IN)
23. Synthesis, Characterization and Antifungal Activity of a Series of Schiff's bases of 2-(2-Oxo2-Aryl) Ethyl Pyridazin-3-Thione derivatives, International Journal of Pharmacy and Biological Sciences-IJPBSTM (2019) 9 (3): 667-679.(IN)
24. Review On Mechano-Chemical Approaches In Drug Design, JETIR June 2019, Volume 6, Issue 6, 583-599.(N)
25. A Short Review on Artificial Enzymes, *IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS)*, 2019, 9 (2): 206-212.(IN)
26. A NEW STRATEGY FOR BACTERIAL RESISTANCE-EFFLUX PUMP INHIBITORS JETIR June 2019, Volume 6, Issue 6(N)
27. Recent Advances in Antibiotic Hhybrids , International Journal of Pharmaceutical Sciences and Nano technology, Volume :13 issue:3,2020.(IN)

Projects : Guided (60) M.Pharm / M.Tech. students.

Others : Life member of **IPA**.

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Dr. Sumakanth M