

Brief Curriculum Vitae

Dr. P. Sarita Rajender, M.Sc, Ph.D.

Associate Professor

Head, Department of Chemistry,
University College of Engineering, O.U.
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- Passionate about teaching.
- Interested in pursuing research in the areas of computational drug design and synthesis of new chemical entities for cancer therapy.
- **Ph.D. - “Heterocycles Derived from 3-aryl-5-chloro-4-formyl and 5-amino-3-methyl isoxazoles”**. Research work was carried out under the supervision of **Prof. K. Kondal Reddy**, Dept. of Chemistry, Osmania University, Hyderabad.
- **Post-Doc- DST WOS – A- —Novel Targets for Cancer therapy-Identification of new targets**.
- **UGC , BSR , Start up grant “In- silico design, synthesis and invitro evaluation of new leads in cancer therapy”**.
- **Patents- Six published ; Two granted**
- **Vice Chancellors award- Project and Patent**
- **Publications;**

Research Articles- Thirty Five

1. Sravanthi Nakkala, RevanthBathula, Manan Bhargavi, Sarita Rajender Potlapally*
Synthesis, Characterization, Molecular docking and biological evaluation of 1,4-Bis aryl-1*H*-1,2,3-triazole-4-yl)methoxy benzaldehyde derivatives as potential anti cancer agents. Asian Journal of Chemistry, vol.35, No. 10(2023)2554-2560., ISSN No. 0975-427X. SJR, Scopus. Impact factor: 0.15.
2. Goverdhan Lanka, Revanth Bathula, Balaram Ghosh , Sarita Rajender Potlapally*,
Identification of potential antiviral lead inhibitors against SARS-CoV-2, main protease. Structure-guided virtual screening, docking, ADME, and MD, Simulation based approach. **Artificial Intelligence Chemistry 1 (2023) 100015- 19** . Elsevier, Impact factor: 0.15.
3. Bathula, R., Muddagoni, N., Dasari, M., Rajender Potlapally, S., Synthesis and Molecular Docking study of Novel pyrazole - Integrated 1,3,4-Oxadiazole derivatives as potential Cyclin-dependent kinase 2 inhibitors ,Russian Journal of Organic chemistry(2022). ISSN-1572-9001. Springer (Impact factor: 1.88).
4. Sravanthi Nakkala, Chandrima Modak ,RevanthBathula, Goverdhan Lanka, GururajSomadi, Sivan Sreekanth, Alok Jain, & Sarita Rajender Potlapally, —Identification of new anti-cancer agents against CENTERIN: Structure-Based

Virtual Screening, AutoDock and Binding free energy studies, *Journal of Molecular Structure*, (2022) Accepted. **ISSN**. 00222860. Elsevier (Impact factor: 4.7)

5. Goverdhan Lanka, Manan Bhargavi, Revanth Bathula, Sarita RajenderPotlapally,—Targeting tribbles homolog 3 (TRIB3) protein against type 2 diabetes for the identification of potential inhibitors by in silico screening, *Journal of the Indian Chemical Society*, Elsevier Vol. 99,7(2022)100531. **ISSN 0019-4522**. (Impact Factor 3.2).
6. M. Narasimha, D. Mahendar, B. Revanth, and P. Sarita Rajender., Tin (IV) Chloride catalyzed one-pot Synthesis and Docking studies of 4-aminoquinoline derivatives as Myt1 inhibitors, *Journal of Heterocyclic Chemistry*, Vol.59,8 (2022)1350-1356. **ISSN-1943-5193**. Wiley (Impact factor: 2.2).
7. Bathula, R., Sivan, SK., Somadi, G., Lanka, G., Muddagoni, N., Rajender Potlapally, S.,—Structural insight into PRMT5 inhibitors through amalgamating pharmacophore-based virtual screening, ADME toxicity, and binding energy studies to identify new inhibitors by molecular docking, *Structural Chemistry*, Vol.33,(2022)1223-1239. **ISSN-1572-9001**. Springer (Impact factor: 1.88).
8. M. Narasimha , B. Revanth , D. Mahender and P. Sarita Rajender. **Synthesis and Molecular Docking Studies of Triazole Conjugated Novel 2,4-Disubstituted Thiazole Derivatives as CDK2 Inhibitors**. (2021), *Asian Journal of Chemistry*; Vol. 33, No. 8 1849-1854. **ISSN-0970-7077**. SJR, Scopus (Impact factor: 0.6).
9. Goverdhan Lanka, Revanth Bathula, Mahendar Dasari, Manan Bhargavi and Sarita Rajender Potlapally*. (2021) Identification and optimisation of novel selective inhibitors against human regulator of G protein signalling 2 (RGS2) protein for type 2 diabetes mellitus: an *in silico* approach. *Int. J. Computational Biology and Drug Design*, Vol. 14, No. 3.166-189. **ISSN: 17560764, 17560756**. Inder Science , Impact Score:1.6..
10. Revanth Bathula , Narasimha Muddagoni , Goverdhan Lanka , Mahender Dasari , Sarita Rajender Potlapally*. (2021). Glide Docking, Autodock, Binding Free Energy and Drug-Likeness Studies for Prediction of Potential Inhibitors of Cyclin-Dependent Kinase 14 Protein in Wnt Signaling Pathway. *Biointerface Research in applied Chemistry*. Volume 12, Issue 2, 2022, 2473 – 2488. (Scopus Author ID 55317928000) (**ISSN No 2069-5837**). (Impact factor: 2.23)
11. Narasimha Muddagoni , Revanth Bathula, Mahender Dasari , **Sarita Rajender Potlapally** *. (2021). Homology Modeling, Virtual Screening, Prime- MMGBSA, AutoDock-Identification of Inhibitors of FGR Protein. *Biointerface Research in*

applied Chemistry. Volume 11, Issue 4, 11088 – 11103. (ISSN No 2069-5837). (Impact factor: 2.23).

12. Pagadala Revathi, Sivan Sreekanth, Somadi Gururaj, Origanti Subhash Chander, **Potlapally Sarita Rajender*** (2021). Understanding Structural Characteristics of PARP-1 inhibitors through combined 3D- QSAR and molecular Docking studies and Discovery of new inhibitors by multistage virtual Screening. *Structural Chemistry*. 32:2035–2050 . doi.org/10.1007/s11224-021-01765-3. Springer (Impact Factor – 2.2).
13. Manan Bhargavi, Nazmina Vhora, Goverdhan Lanka, Gururaj Somadi, Sivan Sree Kanth, Alok Jain & **Sarita Rajender Potlapally** (2021) Homology modelling and virtual screening to explore potent inhibitors for MAP2K3 protein. *Structural Chemistry*. 32:1039–1051. Springer (Impact Factor – 2.2).
14. Bathula, R., Lanka, G., Muddagoni, N., Dasari, M., Nakkala, S., Bhargavi, M., ... **Rajender Potlapally, S.** (2020). Identification of potential Aurora kinase-C protein inhibitors: an amalgamation of energy minimization, virtual screening, prime MMGBSA and AutoDock. *Journal of Biomolecular Structure and Dynamics*, VOL. 38, NO. 8, 2314–2325. ISSN-1538-0254 . Taylor & Francis (Impact Factor – 3.310).
15. **Muddagoni, N.**, Bathula, R., Dasari, M., Nakkala, S., Rajender Potlapally, S., Homology modelling and Virtual Screening: A fast tool for Drug design. *Journal of Emerging Technologies and innovative research*. 2019; 6(6). ScopusISSN-2349-5162.
16. Goverdhan Lanka, Revanth Bathula, Mahendar Dasari, Sravanthi Nakkala, Manan Bhargavi, Gururaj Somadi & **Sarita Rajender Potlapally** (2019) —Structure based identification of potential novel inhibitors targeting FAM3B (PANDER) causing type 2 diabetes mellitus through virtual screening|*Journal of Receptors and Signals Transduction* , VOL. 39, NO. 3, 253–263 . Taylor & Francis (Impact Factor –2.3).
17. Goverdhan L, Revanth B, Manan B, **Sarita Rajender P.** (2019) Homology modeling and molecular docking studies for the identification of novel potential therapeutics against human PHD3 as drug target for type 2 diabetes mellitus. *Journal of Drug Delivery and Therapeutics*. 9(4):256-273. Scopus (Impact Factor –2.25).
18. P. Revathi, S. Gururaj, S. SreeKanth and P. Sarita Rajender, Computational Studies on Human CDK9 Inhibitors, *Journal of Applicable Chemistry*, 2019, 8 (3): 960-968.
1. ISSN: 2278-1862.
19. Rohini R , Lavanaya SP, Vishwanath R, Abdelmonsef AH, Sarita Rajender Potlapally and Uma V*.(2017). Selective ATP competitive leads of CDK4: Discovery

- by 3D QSAR pharmacophore mapping and molecular docking approach. Computational biology and chemistry, 71:224-229. Elsevier (Impact Factor – 3.1).
20. . Mannan Bhargavi , Sree Kanth Sivan , Sarita Rajender Potlapally, *(2017). Identification of novel anti cancer agents by applying insilico methods for inhibition of TSPO protein. Computational Biology and Chemistry, 68 ,43–55. Elsevier (Impact Factor – 3.1) .
 21. Vishwanath R, Ramakrishna D, Rajender V, Santhiprada V, Sarita Rajender P, Rohini R and **Uma V*** (2017) Identification of new lead molecules against UBE2NL enzyme for cancer therapy, Applied Biochemistry and Biotechnology, 182(4):1497-1517. Springer (Impact Factor –3.3)
 22. Rohini R, Lavanaya SP, Rajender V, Thirupathi M, Sarita Rajender P and **Uma V*** (2017) Azolium analogues as CDK4 inhibitors: Pharmacophore modeling, 3D QSAR study and New lead drug discovery, Journal of Molecular Structure, 1134, 482-491. Elsevier(Impact Factor –4.7)
 23. Vishwanath R, Ramakrishna D, Rajender V, Santhiprada V, Sarita Rajender P, Rohini R and **Uma V*** (2016) Targeting the ubiquitin-conjugating enzyme E2D4 for cancer drug discovery-a-structure based approach, Journal of Chemical Biology, 10(20), 51-67. Elsevier(Impact Factor – 3.1)
 24. Abdelmonsef AH , Padmarao LS , Mukkera T, Rondla R, **Rajender S** and Vuruputuri U*. Human Rab8b Protein as a Cancer Target - An In Silico Study. A Journal of Computer Science & Systems Biology - 9(4) 132-149 (2016) . Mary Ann Liebert.
 25. Viswanath Ramatenki, Sarita RajenderPotlapally, Ramakrishna Dumpati, Rajender Vadija and Uma Vuruputuri* Homology modeling and virtual screening of ubiquitin conjugation enzyme E2A for designing novel selective antagonist against cancer. Journal of Receptors and Signal Transduction. 2015; 35(6): 536–549. Taylor & Francis. (Impact Factor – 2.3)
 26. Kiran Kumar Mustyala, VasaviMalkhed,SaritaRajenderPotlapally and Uma Vuruputuri* "Macromolecular structure and interaction studies of SigF and UshA in Mycobacterium tuberculosis" . Journal of Receptors and Signal Transduction.(2014) 34(3), 162-173. Taylor & Francis (Impact Factor – 2.3)
 27. VasaviMalkheda, Kiran Kumar Mustyala, SaritaRajenderPotlapally and Uma Vuruputuri*.Identification of novel leads applying in silico studies for Mycobacterium multidrug resistant(MMR) protein. Journal of Biomolecular Structure and Dynamics, 2013 32(12), 1889- 906 . Taylor & Francis (Impact Factor – 4.9)
 28. Vasavi. M., Kiran Kumar. M., SaritaRajender. P., Uma Vuruputuri*. Modeling of alternate RNA polymerase sigma D factor and identification of novel inhibitors by

virtual screening. Cellular and Molecular Bioengineering. (2012) 5(4), 363-374. SCImago, Scopus (Impact Factor -3.4)

29. NavneethaNambagari., SaritaRajender P., Kiran Kumar M., Bhargavi K., Vasavi M., Ramasree D., Uma Vuruputuri*. An Insilico approach to angiogenic phenotype (Accepted).Journal of Pharmacy Research. (2012) 5(1), 583-588. Scopus (Impact Factor – 2.23)
30. Sarita Rajender. P., Kiran Kumar. M., Vasavi. M. and Uma Vuruputuri*. Novel inhibitors targeting cell signaling receptor – cyclin D2 by virtual screening.Journal of Pharmacy Research.(2012) 5(1), 572-579. Scopus (Impact Factor – 2.23)
31. SaritaRajender.P., Sridervi .G. and Kondal Reddy K.* Synthesis of novel isoxazole fused heterocycles. Synthetic Communications.(2012) 42(15), 2191-2200. Taylor & Francis (Impact Factor – 1.8)
32. **SaritaRajender P., Vasavi M., and Uma Vuruputuri* Identification of novel selective antagonists for cyclin C by Homology modeling and virtual screening. International journal of biological macromolecules.(2011) 48 (2)292-300.Elsivier(Impact Factor – 8.5)**
33. Sarita Rajender. P., Ramasree. D., Bhargavi. K., Vasavi. M., and Uma. V*.Selective inhibition of proteins regulating CDK/cyclin complexes: strategy against cancer—a review. Journal of Receptors and Signal Transduction.(2010)30(4), 206-213. Taylor and Francis. (Impact Factor – 2.3)
34. Vasavi, M., Kalyan Chaitanya P., Ramasree, D., Sarita, R., Uma, V*. Tricyclic phthalimide analogues as novel inhibitors of HIV-I intergase – A QSAR study.Bioinformatics Trends.(2007) 2 (2), 61-68.Scimago.
35. Manikanthan, B.H.N.V, Sarita, R and Uma Vuruputuri*. 4- Substituted pyrrolidinebutanamides as antiepileptic Drugs- A QSAR Study. Journal of Teaching and Research in Chemistry. (2006) 13(1) 59-65.(Impact Factor – 0.4).

Patents

List of Patents:

1. Uma Vuruputuri, Vasavi Malkhed, Kiran Kumar Mustyala, Ramari Dulapallyi, **Sarita Rajender Potlapally**, Srinand Sreevatsan and Anthony David Baughn. Novel Entities for Mycobacterium Tuberculosis Design, Synthesis and Activity. **Publication Dt. 26/08/2016, Appl. No. 6190/CHE/2014A.**
2. Uma Vuruputuri, Bhargavi Kondagari, **Sarita Rajender Potlapally** and Ramasree Dulapalli . Improved synthesis and cytotoxic studies of imine compounds. Application Number – 202/CHE/2013. **Publication date : 02/01/2015.**

3. Uma Vuruputuri, **Sarita Rajender Potlapally**, Vasavi Malkhed, Kiran Kumar Mustyala, Ramasree Dulapalli, V.G.M. Naidu. Design, Synthesis And Cytotoxic Studies Of Piperazine Derivatives Against Cancer. Application number-5681/CHE/2014 A **Publication date** : 19/12/2014.
4. Uma Vuruputuri, **Sarita Rajender Potlapally**, BhargaviKondagari and Vasavi Malkhed. Synthesis and cytotoxic studies of barbituric Acid Derivatives. **Publication Date**: 07/03/2014 Application Number – 3345/CHE/2012.
5. Uma Vuruputuri, Bhargavi Kondagari, **Sarita Rajender Potlapally** and RamasreeDulapalli. Improved process for the preparation of dihydroindolone compounds and their cytotoxicity. Application Number – 3344/CHE/2012. **Publication date**: 07/03/ 2014.
6. Chiral sulfonamide based ticagrelor analogues as egfr inhibitors and the method of preparation thereof. Dr. M. Bhargavi, Priyanka Devi , Dr. Chandraiah Godugu, Dr. Goverdhan Lanka , Dr. Revanth Bathula & Dr.Nakkala Sravanthi. Application Number – 20244103666 A. **Publication date**: 17/05/2024.

Patents Granted

- 1) Uma Vuruputuri, Vasavi Malkhed, Kiran Kumar Mustyala, Ramari Dulapallyi, **Sarita Rajender Potlapally**, Srinand Sreevatsan and Anthony David Baughn. Novel Entities for Mycobacterium Tuberculosis Design, Synthesis and Activity. Publication Dt. 26/08/2016, Appl. No. 6190/CHE/2014A.
Patent granted on 08/07 /19.
- 2) Uma Vuruputuri, Bhargavi Kondagari, **Sarita Rajender Potlapally** and Ramasree Dulapalli. Improved process for the preparation of dihydroindolone compounds and their cytotoxicity. Application Number – 3344/CHE/2012. Publication date: 07/03/ 2014.
Patent granted on 23/09 /19.

Conference Proceedings-Four

1. **Oral presentation** entitled “A cutting - edge to drug discovery in Cancer; Cyclins as novel targets - an *in silico* technique**SaritaRajenderPotlapally**, BhargaviKondagari, RamasreeDulapalli and Uma Vuruputuri* as a publication in the Journal of Biomolecular and Structure Dyanamics, Organized by Albany 2013 the 18th ConversationState University of New York, New York (06/11/2013 to 06/15/2013).
(Impact Factor – 5.00)ISSN :0739-1102.
2. **Oral presentation** entitled “Approaches to lead generation - A novel molecular target in cancer drug discovery development” **SaritaRajender P.**, RajenderVadija, ThirupathiMukkera and Uma Vuruputuri*. September, 13-15th, 2012, OMICS Group of ConferencesVol. 2(6), 136, **Proceedings** of 3rd World Congress in Journal of Biotechnology and Biomaterials, HICC Hyderabad.**ISSN : 2155-952X**
3. Presented an **oral scientific** abstract entitled “Design and synthesis of potent Cyclin C inhibitors” **SaritaRajenderPotlapally.**, Kiran Kumar Mustyala, BhargaviKondagari, VasaviMalkhed and Uma Vuruputuri *,published in the journal of OMICS Group of Conferences as**Proceedings in Journal of Bioavailability and Bioequivalence, Marriot Hotel & Convention Centre, Hyderabad**, Vol. 4(3),155, March 26-28th, 2012. **3rd World Congress on Bioavailability & Bioequivalence: Pharmaceutical R &D Summit - 2012,**

organized by OMICS Group at Marriott Hotel & Convention Centre, Hyderabad, India (26th-28th March 2012)

(Impact Factor-2.00)ISSN : 0975:0851

4. Presented a poster entitled “Small molecule inhibitors of Bcl- 2L10 protein for cancer therapy” BhargaviKondagari.,**SaritaRajenderPotlapally.**, RamasreeDulapalli., Murthy. K. Dwarakanath and Uma Vuruputuri*, March 26-28th, 2012,OMICS Group of Conferences, Vol. 4(3),155 as **Proceedings in Journal of Bioavailability and Bioequivalence**,at 3rd World Congress **on Bioavailability & Bioequivalence: Pharmaceutical R & D Summit - 2012**, organized by OMICS Group at Marriott Hotel & Convention Centre, Hyderabad, India (26th - 28th March 2012)

(Impact Factor-2.00)ISSN: 0975:0851

National and International conferences: 6+24.

Conferences Presentations:

International Conferences

1. Presented a poster and published a research article entitled “ Computational studies on human CDK9 inhibitors” P.Revathi, S.Gururaj , S.Sreekanth and P.Sarita Rajender , at the International Conference on “Emerging trends in spectroscopic techniques and their applications “ organized by Department of Chemistry , University College for women , Koti Osmania University Hyderabad held between 3rd – 4th December 2018.
2. Presented a poster entitled “Identification of potential Bcl3 inhibitors by applying insilico techniques , Revanth Bathula, Bhargavi and Sarita Rajender Potlapally*at the international conference –Chemistry for sustainable Future” held in Palamuru University between August 7th to 9th 2018 organized by the Department of Integrated Chemistry, Palamuru University, Telangana State, Hyderabad, India.
3. Presented a poster entitled “Identification of novel inhibitors of NAR3 protein through Homology Modeling, Molecular Dynamics and Virtual screening techniques”MuddagoniNarasimha, Manan Bhargavi and Sarita Rajender Potlapally* at the international conference –Chemistry for sustainable Future” held in Palamuru University between August 7th to 9th 2018 organized by the Department of Integrated Chemistry, Palamuru University, Telangana State, Hyderabad, India.
4. Presented a poster entitled “Insights into the insulin signaling action and binding selectivity of TRIB3 in the discovery of novel antagonists against type 2 diabetes mellitus” at ACR-2019, organized by Department of Chemistry, Kakatiya University, Warangal.**Awarded Best poster prize.**
5. Presented a poster entitled “Identification of new entities of DM3 protein based on homology modeling” Dasari Mahendar, Muddagoni Narasimha , Revanth Bathula, L. Goverdhan and Sarita Rajender Potlapally* at the international conference – Chemistry for sustainable Future” held in Palamuru University between August 7th to 9th 2018 organized by the Department of Integrated Chemistry, Palamuru University, Telangana State, Hyderabad, India.
6. Presented a poster entitled "**ATP Competitive leads of CDK4: Discovery by 3D QSAR Pharmacophore Mapping and Molecular Docking Approach**", Rohini Rondla,Lavanya S. P. Rao,Vishwanath Ramatenki,Aboubakr H. Monsef,Sarita R.Potlapally and Uma Vuruputuri * at 20th International Conference of International Academy of Physical Sciences (CONIAPS XX)" held in Osmania University between

July 14th-16th, 2017, Department of Chemistry, Osmania University, Telangana State, Hyderabad, India.

7. Presented a poster entitled "Homology Modeling and Lead Generation Of GL1 Protein to identify New Entities to Inhibit Pander Protien, Goverdhan Lanka, Muddagoni Narasimha, Manan Bhargavi, Sarita Rajender Potlapally*at an International Conference on Drugdesign, Schrodinger, held between 7-9 April 2017 at Convention centre, JNU, Delhi .
8. Presented a poster entitled "**Identification of novel lead molecules of Mrb protein homology model based virtual screening. Manan Bhargavi¹, Muddagoni Narasimha, Sarita Rajender Potlapally^{1*}**at an International Conference on Recent advances in chemistry and chemical engineering – 2016 held between July 11th -13th 2016; Department of Chemistry, JNTUH College of Engineering, Hyderabad - 500085, Telangana State, India, Hyderabad.
9. Presented an oral presentation entitled "**Identification Design of novel inhibitors targeting phosphatases of MAPK signaling- An *In-silico* approach, Lavanya Souda PadmaRao, Thirupathi Dasari, Thirupathi Mukkera, Aboubakr H. Abdelmonsef, Sarita Rajender. P, Vasavi Malkhed, Uma Vuruputuri***,at an international conference on International Conference on "Biochemistry, Nutrition & Pharmacy for Human Welfare: Recent trends and Future Challenges" (ICBNP-2015) held between September 3- 5, 2015; Department of Biochemistry, Osmania University, Hyderabad - 500007, Telangana State, India, Hyderabad.
10. Presented a poster entitled "**Identification of novel inhibitors of RAB protien from virtual screening as anti cancer agents, Manan Bhargavi¹, Sowjanya Valasala², Sarita Rajender Potlapally^{1*}**at an international conference on International Conference on "Biochemistry, Nutrition & Pharmacy for Human Welfare: Recent trends and Future Challenges" (ICBNP-2015) held between September 3- 5, 2015; Department of Biochemistry, Osmania University, Hyderabad - 500007, Telangana State, India, Hyderabad. **Awarded Best poster prize.**
11. Presented a poster entitled "**Design of small molecule inhibitors for CIAPIN-1 protein to prevent drug resistance against cancer**" Ramasree Dulapalli¹, Bhargavi Kondagari¹, Sarita Rajender² and Uma Vuruputuri^{1*}at an international conference on Chemical Biology: Disease Mechanism and Therapeutics (ICCB-2014 held between Febraury 6-8, 2014; (CSIR-IICT), Hyderabad.
12. Attended and participated in the international symposium on "Chemistry With Computers" (CWC - 2014) organized by IIIT Hyderabad and IICT Hyderabad held between January 18-19, 2014.
13. Poster entitled "Homology modeling and Virtual Screening of Ubiquitin conjugation enzyme RV3 as a novel cancer drug target" Vishwanath Ramatenki, RamasreeDulapalli, **SarithaRajenderPotlapally**, Ragavendra Prasad U.S.H and Uma Vuruputuri*, presented at the Conference on Recent Advances in computational Drug Design Organised by the Indian Institute of Science, Bangalore and Schrödinger, during 16th – 17th September-2013.
14. Poster presentedentitled Homology modeling and insilico virtual screening of ubiquitin like enzyme RV2 as a novel cancer drug target - In computational studies.RamatenkiVishwanath, U.S.H Raghavendra Prasad, SaritaRajender. P and Uma

- Vuruputuri*.being held at JNTU Ananthapur, presented at the 1st International conference on emerging trends in chemical and pharmaceutical sciences, Organised by The Department of Chemistry, JNTU Anantapur, during 28th – 30th June-2013.
15. Presented a poster entitled “Homology modeling, Protein-Protein docking and virtual screening of MT-6. ThirupathiMukkera, ShanthipradhaVellanki, SarithaRajender.P and Uma Vuruputuri*, at IICT Hyderabad **2nd UK-India RSC Med Chem Congress held on 22-23 March 2013.**
 16. Presented a poster entitled “IN- Silico studies of novel TTF protein related to Mycobacterium tuberculosis”**Kiran Kumar Mustyala, VasaviMalkhed, SaritaRajenderPotlapally, Venkataramana Reddy Chand Uma Vuruputuri*** organised by OMICS GROUP of Conferences Vol. 2(6), 136, September, 13-15th, 2012, published in the **Proceedings** of 3rd World Congress in Journal of Biotechnology and Biomaterials, HICC Hyderabad. **ISSN: 2155-952X.**
 17. Comparative Modeling and Virtual Screening of Heat Shock Protein27, RamasreeDulapalli, **SaritaRajenderPotlapally**, BhargaviKondagari and Uma Vuruputuri*, 15th – 18th Dec, 2011,**OMICS meets Disease**, 3rd Annual Meeting Of Proteomics Society (India), Organised bySaha Institute of Nuclear Physics, Salt lake, Kolkata.
 18. Presented a poster entitled “Interaction studies between RA18 and CR3 proteins important in Rheumatoid Arthritis” JyothiBandi, AnupamaPandurangi, NavneetaBathula, RamasreeDulapalli, **SaritaRajender P.** and Uma Vuruputuri* at **Indo-US work shop on Biocomputing** held at National Institute of Technology (NIT) Calicut, Kerala, India.
 19. Poster presented 12th -13th Sep 2011entitled “Identification of Novel potent inhibitors for S2 protein” **Sarita RajenderPotlapally**, VasaviMalkhed, RamasreeDulapalli, BhargaviKondagari, and Uma Vuruputuri* at **International Conference UK-India MedChem 2011 Congress on Medicinal Chemistry**jointly Organized by Royal society of Chemistry, London, U.K. IICT andNIPER, Hyderabad, India (25th – 26th Feb 2011).
 20. 4th International Symposium entitled “**Current Trends in Drug Discovery**” (**CTDDR-2010**) (17th- 21st Feb 2010) held at Lucknow, CDRI. Optimization of structure of cyclindependent kinase-1 inhibitors – a QSAR study. **Sarita Rajender P.**, Thirupati M., Bhargavi K., and Uma. V.*
 21. 4th Indo – US Lecture series on Discreet Mathematical Chemistry (6-9th January 2009) held at Nizam College, Osmania University: Potent target for cancer therapy. **SaritaRajender.P.**, Vasavi. M, Ramasree. D, Uma Vuruputuri*. Department ofChemistry.Nizam College, Basheerbagh, Hyderabad, 500001, A.P, India.**Awarded a prize for thebest poster presentation.**
 22. Participated in **IPS-USP 8th ASM 2009 Annual Scientific Meeting** organized by IPC- Indian Pharmacopoeia Commission and U.S. Pharmacopeia at Taj Krishna Hotel, Hyderabad, India (11th -12th Feb, 2009).
 23. Attended international symposium and participated in Poster presentation at **‘Frontiers in Genetics and Biotechnology – Retrospect and Prospect’**conducted by Dept. of Genetics and Biotechnology, Osmania University, Hyderabad. (8th -10th Jan

2006). QSARstudy of piperidine analogues – a selective inhibitor of diamino peptidase. Naveen Reddy, R., Manikantan, B H N V., **SaritaRajender, P.**, and Uma, V*.

24. Attended international symposium and participated in Poster presentation at **'Frontiers inGenetics and Biotechnology – Retrospect and Prospect'**conducted by Dept. of Geneticsand Biotechnology, Osmania University, Hyderabad. (8th-10th Jan 2006) TricyclivPhtalimide Analogues as Novel Inhibitors of HIV- 1 Intergase-AQSAR study M.Vasavi., D. Ramasree, **Sarita R** and Uma, V*.

National Conferences

1. **Sowjanya Valasala,** MananBhargavi, VasaviMalkhed, **SaritaRajender Potlapally***. Identification of novel inhibitors of SB3 protein through homology model based virtual screening as anti-Cancer agents., being presented at **National workshop in Bioinformatics and Drug Discovery**,organized by **Department of Botany, Nizam College and Department of Pharmacy and**College of Technology Osmania University, Hyderabad-500 007 at Platinum Jubilee Auditorium ,PGRRCd. Osmania University held between 22-12 – 2014 to 24-12 2014.
2. MananBhargaviSowjanya Valasala, , **SaritaRajender Potlapally***. Advantages of *insilico* Drug Discovery, being presented at **National workshop in Bioinformatics and Drug Discovery**,organized by **Department of Botany, Nizam College and Department of Pharmacy and** College of Technology Osmania University, Hyderabad-500 007 at Platinum Jubilee Auditorium ,PGRRCd. Osmania University held between 22-12 – 2014 to 24-12 2014.
3. Poster accepted entitled “Design of New leads against Ubiquitin like enzyme RV1-A novel drug target of cancer.” RamatenkiVishwanath, USH Raghavendra Prasad, **Sarita Rajender Potlapally**, Ramakrishna Dumpati and Uma Vuruputuri* being presented at **ICC XXXI annual conference**, organized by Indian Council of Chemists, Rajkot, India (26th – 28th Dec 2012).
4. Presented a scientific abstract entitled “Homology Modeling and Virtual Screening Studies of TKS2 protein of *Mycobacterium Tuberculosis*” KrishnaiahDasari,Kiran Kumar Mustyala, VasaviMalkhed, **SaritaRajenderPotlapally** and Uma Vuruputuri* at **ICC XXX annual conference**, Osmania University, Hyderabad, India (28th-30th December, 2011).
5. Presented a poster entitled “Comparative modeling and virtual screening of TTL Protein” Kiran Kumar M, Vasavi M, Bhargavi K, **SaritaRajender P**, Uma Vuruputuri* in **National Conference on biological Chemistry** organized by Gitam institute of science, Gitam University, Rushikonda, Vishakhapatnam, India (29th - 30th Nov, 2010).
6. Presented a poster entitled “Angiogenesis: An insilico approach to inhibition of ANG” NavneetaNambigari, **Sarita Rajender Potlapally**, ThirupathiMukhera, RamasreeDulapalli and Uma Vuruputuri* in **National Conference on biological Chemistry** organized by Gitam institute of science, Gitam University, Rushikonda, Vishakhapatnam, India (29th - 30th Nov, 2010).