

Faculty Information

Brief Profile of Faculty in Less than 500 words

Dr. P. Sarita Rajender

Assistant Professor
Nizam College, Osmania University,
Email: saritarajender@osmania.ac.in
saritarajender@gmail.com



Dr. P. Sarita Rajender is working as Assistant Professor, Department of Chemistry, Nizam College, Osmania University since 2013. She has completed her M.Sc , Ph.D and Post-Doc from Osmania University, Hyderabad. Telangana State. India.

Her area of research comprises of Computer Aided Drug Design, Molecular Modeling, Synthetic organic chemistry, Computational and Molecular docking studies. She has published a total of 20 research articles in International journals and 5 Indian patents to her credit . She has presented 26 papers in national and international conferences and four oral presentations. Her research articles have 94 citation and H-Index of 6. Her research activity is supported by DST and UGC. She is an editorial board member for an international journal ie Drug designing and development (NAPDD). She gave an oral presentation in Molecular modeling : Drug designing and docking organized by SNIST and delivered a lecture at Sri Venkateshwara College, Suryapet, Nalgonda District, in national seminar on Computer Simulations: Chemistry of Bio Active Molecules sponsored by UGC. She was one of the Resources person for 2 Day workshop on computational drug desing, organised by Dept. of Chemistry, University College of Science, Osmania University - 3-4th April 2014. She is a life member for Indian Science Congress Association (ISCA) and (Indian Council of Chemists) ICC. She has 8 scholars currently working for their Ph.D. degree. She has 23 yrs of teaching UG and PG courses.

Faculty Information

Detailed CV

1. Personal Details

Name of the faculty	Dr.P.Sarita Rajender
Gender	Female
Department	Department of Chemistry, Nizam College
PAN	
Designation	Assistant Professor AGP Rs.7,000
Qualification	M.Sc, Ph.D
Date of Joining (Submit Appointment Letter)	September 26, 2017
Date of Birth	11.01.1965
Category	OC
Mobile Number	9000282879
E-Mail Id	saritarajender@gmail.com
Address	Plot No 4, Potlapally Residency, Cine Town lane, Miyapur. Hyderabad-49

2. Academic details:

Degree	Qualification	Month and Year of Passing	Division	% of Marks	Univ/Board/ Institution with State
PG (M.A./M.Com/ M.Sc/M.Tech/ MBA/ MCA/Any other)	M.Sc	June 1986	I	68.8	Osmania University
CSIR/UGC-NET /SELT/Any other	CSIR	September 1994	I		Osmania University
Any other					
Research details	Title of Thesis			Month and Year of award	Univ/Board/ Institution with State
M.Phil					
Ph.D	Heterocycles derived from 3-aryl -5-chloro-4-formyl and 5- amino-3-methyl isoxazoles			September 1988	Osmania University
Post Doctorial/ D.Sc./D.Litt.	DST			1 st Dec 2009	Osmania University
Any other					
*Please provide the scanned copies of certificates					

3. Teaching Experience: Total: 23 yrs ; UG: 6 yrs ; PG: 17yrs

4. Academic Promotions:

Designation	Month and Year of Promotion
Associate Professor	Nil
Professor	
* Please provide order copies	

5. Resource persons:

Guest Lectures/ Extension Lectures	No. of Lectures	Name of Program	Organization / Institution	Date and Year
Two day workshop on computational drug design	One	workshop	University college of science	3 rd , 4 th April 2014
Two day national seminar on computer simulations: Chemistry of bioactive molecules	One	Seminar	Sri Venkaeswara University, Suryapet Nalgonda Dist	6-07-2014 to 7-07-2014
Molecular modeling: Drug designing and docking	One	Seminar	SNIST	28 th & 29 Jan 2013
* Please provide the certificates or letter of invitation				

6. Carrier Development Programs: Orientation Course/ Refresher courses/Short Term Course/Faculty Development Programme

Course attended	Institution /University	Title of the Professional Development Programme	Duration	
			From	To
RC	Osmania University	Recent trends in chemical sciences and technology (ID & MD)	15-2-2018	8-3-2018
RC	JNTUH	Soft skills and professional excellence	30-11-2015	19-12-2015
OC	Osmania University		4-7-14	2.8.14
Faculty development Program	NI-MSME	Entrepreneurship Development	14-4-2014	26-4-2014
* Please provide the certificates				

7. Research Details:

Research Experience (No. of years):	12
Area of research :	Synthetic Chemistry ; Molecular modeling
Supervisor for M.Phil/Ph.D (Guideship Letter)	
No of students working/Registered	Ph.D: F: 3 M:5
No. of students with fellowship (JRF)	M: 2 F: 0 Total:2
No. of students with fellowship (SRF)	M: 2 F: 0 Total:2
No. of students with fellowship (Project fellow)	M: 1 F: 3 Total:4
No. of students with any other fellowship	M: F: Total: nil

No of students working for M.Phil.	M:	F:	Total: nil
No of students working as Post.docs.	M:	F:	Total: nil
No of students working as RA	M:	F:	Total: nil
No. of M.Phil/Ph.D. Produced	Ph.D:	M.Phil:	
	M:	F:	Total: nil
Name of Students awarded. M.Phil/Ph.D	Title of Thesis	Month and Year of Registration	Month and Year of Award
1.	nil		nil
2.	nil		nil
* Please provide the list of students registered, along with their category and fellowship details			

National:

8.1 List of publications(## If possible use MS-Excel file which is attached as separate file)

[illegible]

9. List of Publication in Conference proceedings:

SNo	Title of Paper	Name of Conference	Name of the Publisher	Month and Year of Publication	ISBN No.	State/National /International	Affiliated institute at the time of publication
1	A cutting - edge to drug discovery in Cancer; Cyclins as novel targets - an <i>in silico</i> technique	18 th ConversationState University of New York, New York, organised by albany	Proceedings in Journal of Biomolecular and Structure Dyanamics,	06/11/2013 to 06/15/2013	0739-1102	International	Nizam College
2	Approaches to lead generation - A novel molecular target in cancer drug discovery development	3 rd World Congress in Journal of Biotechnology and Biomaterials,	Proceedings in Journal of Biotechnology and Biomaterials	September, 13-15 th , 2012	2155-952X	International	Nizam College
3	Design and synthesis of potent Cyclin C inhibitors	3rd World Congress on Bioavailability & Bioequivalence: Pharmaceutical R & D Summit - 2012	Proceedings in Journal of Bioavailability and Bioequivalence	Vol. 4(3),155, March 26-28th, 2012	0975:0851	International	Nizam College
4	Small molecule inhibitors of Bcl- 2L10 protein for cancer therapy”	, 3rd World Congress on Bioavailability & Bioequivalence: Pharmaceutical R & D Summit - 2012	Proceedings in Journal of Bioavailability and Bioequivalence	Vol. 4(3),155, March 26-28th, 2012	0975:0851	International	Nizam College

* please provide the PDF or scanned copy of the articles along with ISBN no. and DOI

10. List of Books Published:

S.No	Title of Book/Chapter	Edited/ Authored	Name of the Publisher	Month and Year of Publication	ISBN No.	State/National /International	Affiliated institute at the time of publication
1	nil						
2	nil						
* please provide the PDF or scanned copy of the first page along with ISBN no.							

11. Member on editorial board or referee for national/international

S.No.	Name of the Journal	Status on the editorial Board	ISSN Number	Periodicity of Publication	Month and Year of Inception of Journal	Impact factor
1	Novel approaches in drug designing and development	editor	2575-8942	bimonthly		-----
	nil					
* Please provide the certificates or e-Copy of letter from editor or editorial board						

12. No. of Papers Presented in Conference/workshop/seminars: (Oral/Poster)

SNo	Title of the paper	Name of Conference/workshop/ Seminars	Oral/Poster	Organized by	Date and year	State/National /International
1	ATP Competitive leads of CDK4: Discovery by 3D QSAR Pharmacophore Mapping and Molecular Docking Approach	20th International Conference of International Academy of Physical Sciences (CONIAPS XX)"	poster	Osmania University Department of Chemistry, Osmania University, Telangana State, Hyderabad, India.	14th-16th, 2017	International
2	Homology Modeling and Lead Generation Of GL1 Protein to identify New Entities to Inhibit Pander Protien	International Conference on Drug design, Schrodinger	poster	JNU, New Delhi	7 th - 9 th April 2017	International
3	Identification of novel lead molecules of Mrb protein homology model based virtual screening.	International Conference on Recent advances in chemistry and chemical engineering	poster	Department of Chemistry, JNTUH College of Engineering, Hyderabad	July 11 th -13 th 2016;	international
4	Identification Design of novel	Biochemistry, Nutrition &	poster	Department of Biochemistry,	September 3 rd - 5 th , 2015	international

	inhibitors targeting phosphatases of MAPK signaling- An <i>In-silico</i> approach	Pharmacy for Human Welfare: Recent trends and Future Challenges” (ICBNP-2015)		Osmania University, Hyderabad		
5	Identification of novel inhibitors of RAB protien from virtual screening as anti cancer agents	Biochemistry, Nutrition & Pharmacy for Human Welfare: Recent trends and Future Challenges” (ICBNP-2015)	poster	Department of Biochemistry, Osmania University, Hyderabad	September 3 rd - 5 th , 2015	international
6	Design of small molecule inhibitors for CIAPIN-1 protein to prevent drug resistance against cancer	Chemical Biology: Disease Mechanism and Therapeutics(ICCB- 2014)	poster	CSIR-IICT, Hyderabad	Febraury 6-8, 2014;	
7		Chemistry With Computers” (CWC - 2014)	symposium	IIIT Hyderabad and IICT Hyderabad	January 18-19, 2014	international
8	Homology modeling and Virtual Screening of Ubiquitin conjugation enzyme RV3 as a novel cancer drug target	Recent Advances in computational Drug Design	poster	Indian Institute of Science, Bangalore and Schrödinger	16 th , 17 th September- 2013.	international
9	Homology modeling and insilico virtual screening of ubiquitin like enzyme RV2 as a novel cancer drug target - In computational studies	1 st International conference on emerging trends in chemical and pharmaceutical sciences,	poster	The Department of Chemistry, JNTU Anantapur	28 th – 30 th June- 2013	international
10	Homology modeling, Protein-Protein docking and virtual screening of MT-6.	2nd UK-India RSC Med Chem Congress	poster	IICT Hyderabad	22-23 March 2013	international
11	IN- Silico studies of	3 rd World Congress	poster	HICC	September,	international

	novel TTF protein related to Mycobacterium tuberculosis	in Journal of Biotechnology and Biomaterials,		Hyderabad	13-15 th , 2012	
12	Comparative Modeling and Virtual Screening of Heat Shock Protein27	3rd Annual Meeting Of Proteomics Society (India)	poster	Saha Institute of Nuclear Physics, Salt lake, Kolkata.	15 th – 18 th Dec, 2011	international
13	Interaction studies between RA18 and CR3 proteins important in Rheumatoid Arthritis	Indo-US work shop on Biocomputing	poster	National Institute of Technology (NIT) Calicut, Kerala	12 th -13 th Sep 2011	international
14	Identification of Novel potent inhibitors for S2 protein"	International Conference UK-India MedChem 2011 Congress on Medicinal Chemistry	poster	Royal society of Chemistry, London, U.K. IICT andNIPER, Hyderabad	25 th – 26 th Feb 2011	international
15	Optimization of structure of cyclindependent kinase-1 inhibitors – a QSAR study	Current Trends in Drug Discovery" (CTDDR-2010	poster	CDRI, Lucknow	17 th - 21 st Feb 2010	international
16	Potent target for cancer therapy	4 th Indo – US Lecture series on Discreet Mathematical Chemistry	poster	Nizam College, Osmania University	6-9 th January 2009	international
17	QSARstudy of piperidine analogues – a selective inhibitor of diamino peptidase	Frontiers in Genetics and Biotechnology – Retrospect and Prospect	poster	Genetics and Biotechnology, Osmania University, Hyderabad	8 th -10 th Jan 2006	international
18	TricyclivPhtalimide Analogues as Novel Inhibitors of HIV- 1 Intergase	Frontiers in Genetics and Biotechnology – Retrospect and Prospect	poster	Genetics and Biotechnology, Osmania University, Hyderabad	8 th -10 th Jan 2006	international
19	Identification of novel inhibitors of SB3 protein through homology model based	National workshop in Bioinformatics and Drug	poster	Department of Botany, Nizam College and	22 nd - 12 th – 2014	National

	virtual screening as anti-Cancer agents	Discovery		Department of Pharmacy and College of Technology Osmania University, Hyderabad		
20	Advantages of <i>insilico</i> Drug Discovery,	National workshop in Bioinformatics and Drug Discovery	poster	Department of Botany, Nizam College and Department of Pharmacy and College of Technology Osmania University, Hyderabad	22 nd - 12 th – 2014	National
21	Design of New leads against Ubiquitin like enzyme RV1- A novel drug target of cancer.	ICC XXXI annual conference	poster	Indian Council of Chemists, Rajkot, India	26 th – 28 th Dec 2012	national
22	Homology Modeling and Virtual Screening Studies of TKS2 protein of <i>Mycobacterium Tuberculosis</i>	ICC XXX annual conference	poster	Osmania University, Hyderabad, India	28 th - 30 Dec2011	national
23	Comparative modeling and virtual screening of TTL Protein	National Conference on biological Chemistry	poster	Gitam institute of science, Gitam University, Rushikonda, Vishakhapatna m, India	29 th -30 th nov2010	national
24	Angiogenesis: An insilico approach to inhibition of ANG”	National Conference on biological Chemistry	poster	Gitam institute of science, Gitam University, Rushikonda, Vishakhapatna m, India	29 th -30 th nov2010	national

13. Conferences/ workshop/ seminars/Training Program etc organized.

SNo	Name of the Seminar	International/ National/State/University/College level	Date	No. of papers presented	No. of Participants		Source of funding/ Sponsoring Agency
					Nizam College	Other Institutions	
	nil						
	nil						
* Please provide the proof of organization and sanction letter for funding							

14. Conferences/ workshop/ seminars/Training Program etc attended/participated.

S.No	Name of the Seminar attended	National/ International	Duration		Organized by	Funded /Not Funded	Funding agency	Amount
			From	To				
1	Molecular Design	Workshop	26/04/2010	26/04/2010	Department of Chemistry, P.G College of Science, Osmania University		O.U	-----
	Induction Program (Organized by C-PACE), Osmania University on 20/06/2014-21/06/2014	national	20/06/2014	21/06/2014	Organized IQAC by C-PACE Osmania University	Funded		-----
2	Academia-Industry interface	national	06/08/2014	---	Department of Chemistry, University College of Science Osmania University	Funded	DST-PURSE	----
3	One day orientation program on Research and Consultancy	national	23/10/2015	----	RDCC, Osmania University	Funded	UGC	
4	Reforms in Higher Education—opportunities and Challenges,	International	28/03/2016	29/03/2016	State Project Directorate – RUSA	Funded		
5	training program CHETANA orientation on Gender Sensitization	Govt. of Telangana	03/06/2016	04/06/2016	Govt. of Telangana, Commissionerate of Collegiate Education	Funded	RUSA	

6	Participated in “One Day Seminar on Characterisation of Materials,” Organised by Dept .Of Physics, Nizam College, O.U on	national	July28th , 2015	-	Dept .Of Physics, Nizam College, O.U	--	---	---
7	O.Y.S.T.E.R for betterment of Humanity-Workshop on Skill Development	national	10.02.2016	-----	Placement Cell, Nizam College, Hyderabad	-----	-----	-----
8	Recent Applications in Medicinal and Material Devices	national	2 nd July 2016	--	Nizam College Osmania University,			
9	Womens issues , Challenges and Opportunities	national	3 rd – march 2017	4 th March 2017	Nizam College Osmania University			
10	Five Days Workshop on Soft Skills	Work Shop	11 th september 2017	-15 th September 2017	Nizam College Osmania University	UGC	UGC	
11	Recent advances in applied nano materials	National	16 th Feb 2018	17 th feb	University college of science, Saifabad	----	-----	----
* Please provide the certificates and sanction letter for funding								

15. Patents:

Total No. of Patents: 5 No. of Patents applied: 5 No. of Patents approved: 5

S.No	Month and Year	National/ International/ Commercialized	Country	Patent Information	Patent Filed/ Published /Granted	Patent Applicaton no./Grant No.
1	26-08-2016	National	INDIAN	Novel Entities for Mycobacterium Tuberculosis Design, Synthesis and Activity	Dt. 26/08/2016	Appl. No. 6190/CHE/2014A
2.		National	INDIAN	Improved synthesis and cytotoxic studies of imine compounds.	02/01/2015	Application Number – 202/CHE/2013.
3		National	INDIAN	Design, Synthesis And Cytotoxic Studies Of Piperazine Derivatives	19/12/2014	Application number- 5681/CHE/2014

				Against Cancer.		
4		National	INDIAN	Improved process for the preparation of dihydroindolone compounds and their cytotoxicity.	: 07/03/ 2014	Application number 3344/CHE/2012
5		National	INDIAN	Synthesis and cytotoxic studies of barbituric Acid Derivatives.	07/03/2014	Application Number – 3345/CHE/2012
* Please provide the copy of patent publication and Patent grant orders						

16. Research Projects:

Total No. Projects:

Major: -

Minor:

Title/Name of Project	Major /Minor	Funding Agency	Amount Granted (in Rs. Lakhs)	Amount Received (in Rs. Lakhs)	Duration	Date and Year	Status – Completed /Ongoing/ Sanctioned/ Submitted
Novel Targets for Cancer therapy- Identification of new targets	Major	DST	19,71,000/-	19,71,000/-	3yrs	2010-2013	Completed / submitted
In- silico design, synthesis and invitro evaluation of new leads in cancer therapy	minor	UGC	6,00,000/-	6,00,000/-	2yrs	2014-2016	Completed / submitted
* Please provide the scanned copy of sanction letter/ grant received orders/project closure orders							

17. Consultancy Projects:

Name of the Consultant	Name of the Consultancy Project	Consulting/Sponsoring Agency with Contact Details	Month and Year	Funds earned/ Revenue generated during last five years (in Rs.)*
nil				
* Audited statement of accounts indicating the revenue generated through consultancy				

18. Collaboration activities for research:

Title of the collaborative activity	Name of the Collaborating agency	Source of financial	Month and Year of	Duration	Nature of activity
-------------------------------------	----------------------------------	---------------------	-------------------	----------	--------------------

	with contact details	support	collaboration		
nil					
* Audited statement of accounts indicating the revenue generated through consultancy					

19. Students Projects:

Total No.of Student Projects Guided:

S.No	Name of the student	Course	Title of the Project	Duration of the Project	Month & Year of the Award
	nil				
* please provide copy of certificate page or certificate from Head/Principal					

20. Faculty visit abroad on academic purpose:

Institution Visited & Period of Visit	Country	Sponsoring of agency	Activity undertaken	Month and Year of Visit
nil				
* please provide invitations/sanction letters/grant received letter				

21. Awards / distinction received if any

Name of the award Received	International/ National/ State/University/District/College level	Nature of Award	Month & Year of the Award
ICBNP-2015	International conference	2 nd Prize for the Poster Presentation	2015
* please provide copy of certificate			

22. International fellowship for advanced studies/research received if any

Name of the award	Month and Year of Award	Awarding agency
nil		
* please provide copy of certificate		

23. Faculty Distinction/Nominations to University/State/National/International bodies.

Membership / Distinction earned	Organization	University/State/ National/International Level	Month and Year
nil			
*please provide copy of offer letters/appointment orders			

24. Collaborative programs if any other University / Organization/ Industries

Name of Program	Nature of Collaboration	Collaborating organization and Country	Objectives of MOU	Month and Year
nil				
* please provide copy of MoU letter				

25. Innovation adopted in Teaching (If any, provide details.):
26. Participation in Curriculum design/BOS etc. (copy of minutes of meeting)
27. List of ICT modules prepared (Please provide soft copies of modules, url link/videos):
28. Social outreach programs conducted (If any, proof as photographs, videos, certificate of appreciation, etc):
29. Life Members of any bodies (provide membership details): IndianScience Congress;
30. Extension activities and institutional social responsibility (If any, provide proof)
31. Contribution to environmental awareness and protection (If any, provide proof)
32. Please provide the details if any MoUs/Linkages (If any, provide MoU letter):
33. Any another relevant information:

SIGNATURE