Prof. Rambabu Gundla, Ph.D

Former HoD & Professor, Dept. of Chemistry, School of ScienceGITAM University, Hyd
Theoretical and Medicinal Chemistry

	All	Since 2018
Citations	1961	937
h-index	22	16
i10-index	43	24

1. Bibliography

Dr. Rambabu Gundla, presently Professor, Department of Chemistry at GITAM University, Hyderabad since 2021. He worked as a Head and Professor, Department of Chemistry at GITAM University, Hyderabad 2014 - 2021. His major research focused on "Discovery and Development of Biologically Active Compounds" such as anti-inflammatory, anti-viral, anti-cancer and anti-diabetic agents.

He was a postdoctoral research fellow in the department of pharmacology and pharmaceutical Sciences, school of pharmacy, at the University of Southern California, USA from 2006 - 2008. He obtained Ph.D. degree from the department of Chemistry, Osmania University, Hyderabad, India, in 2006. From 2001 to 2006, he worked as a research scientist at GVK Biosciences Private Limited, Hyderabad, India.

After completion of his postdoctoral research fellow, he again joined as a Principal Scientist at GVKBIO (2008-2014). He has a more than 106 publications in National and International Journals and 16 patents in the area of medicinal chemistry and computer-aided drug design studies including SAR and QSAR, Scaffold hopping, ADME, pharmacophore generation, molecular dynamics, docking simulations, and virtual library screening. At present a group of 15 scholars are carrying out their PhD programme, 6 scholars got awarded Ph.D degree and 4 scholars have submitted thesis for adjudication. He has delivered a number of invited lectures, keynote addresses in national and international conferences on drug discovery and development.

He is BOS member for GITAM, MRET, KGRET and S.V. University. He is a reviewer for National and International Medicinal and Computational Chemistry Journals. He executed 24 Drug Discovery programs with top pharma companies like GSK, DAS, Pfizer, Dupont, Endo and Glenmark etc and has a track record of delivering two clinical and four pre-clinical candidates. His scientific expertise spans across therapeutic areas such as Inflammation, Oncology, Antiviral and Metabolic disorders. Currently he is working for SERB-DST, BIRAC and DST sponsored projects. He has completed worth of 0.5Cr sponsored projects and currents has 0.75Cr worth of projects in hand. He received the best scientist award from GVKBIO in 2012 and the best researcher award from GITAM in 2017.

2. Education

	Degree	Year	Subject	University/Institution	% of marks
1.	**Postdoctoral Research Associate (PDF)**	2006- 2008	Medicinal Chemistry	USC, Los Angeles, California, USA	-
2.	**Ph. D.**	2006	Material Chemistry	Osmania University, Hyderabad, India	-
3.	**M.Sc.**	1999	Physical Chemistry	Osmania University, Hyderabad, India	78%
4	**B.Sc**.	1996	M.P.C	Kakatiya University, , Khammam, India	81%

3. Employment

S.No	Positions held	Name of the Institute	From	To
1	**Former HoD & Professor**	GITAM University, Hyderabad	2020	Till date
2	**HoD & Professor**	GITAM University, Hyderabad	2019	2020
3	**HoD & Associate Professor**	GITAM University, Hyderabad	2014	2019
4	**Principal Scientist and Faculty Incharge**	GVK Biosciences Pvt. Ltd	2008	2013
5	**Research Scientist and Faculty**	GVK Biosciences Pvt. Ltd	2001	2006

4. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by

S.No	Name of Award	Awarding	Year
1	Best Research Scientist	GVKBIO	2011
2	Best performer of the year	GVKBIO	2013
3	**Best Researcher - 2017**	**GITAM University**	**2017**

5. Research Projects:

S. No	Project Title	Sanction No. & Year	Funding Agency	Budget	Status	Role
01	Traditional and New Approaches Towards the Discovery of Dengue Protease Inhibitors: Potent and Drug-like Antiviral Agents against Dengue Fever	**ECR/2016/000288**	**SERB-DST**	Rs.23,22,500/-	Completed 2019	PI
02	Optimization of Oxindole-5-Sulfonamide Based Hits as Potential Non-Nucleoside Leads Targeting Dengue RdRp Enzyme to Treat Dengue Fever	**BT/CRS01566/PACE-27/22**	**BIRAC-PACE**	Rs.50,00,000/-	Sanctioned 2022	PI
03	Improved Benchtop powder X-ray Diffractometer for Crystalline phase analysis of new materials	**CryIN/2021**	**Crystallography in India**	Rs.10,00,000/-	Sanctioned 2022	PI

04	Identification of potent Interleukin-2 inducible T-cell Kinase (ITK) inhibitors for the treatment of inflammation and cancer diseases through focused compound library design	**DST/WOSA-A/CS-81/2021**	**DST-Women**	Rs.28,50,000/-	Sanctioned 2022	Mentor
05	N-Heterocyclic carbebe-stabilized silaallenes, silacumulenes, ohospaallenes and phosphacumulenes	**SR/WOS-A/CS-65/2016**	**DST-Women**	Rs.23,80,000/-	Completed 2019	Mentor
06	Activity Based Science Learning in the tribal and rural area schools of Telangana	**CryIN/2021**	**Crystallography in India**	Rs.4,50,000/-	Sanctioned 2021	PI
07	Optimisation of Oxindole-5-Sulfonamide Based Hits as Potential Non-Nucleoside Leads Targeting Dengue RdRp Enzyme to Treat Dengue Fever	**F. No: 2022/0174 SEED Grant**	**GITAM**	Rs.2,00,000/-	Sanctioned 2023	PI

6. Consultancy Projects:

S. No	Project Title	Sanctioned Year	Funding Agency	Budget
01	Identification potential hits from 1000 compounds against 10 distinct proteins using structure based virtual library screening (Docking) protocol	2019	**Peptris Pharma, Bengalore**	Rs.1,80,500/-
02	Synthesis of 3-[(2-aminoethyl)thio]-Benzonitrile)	2022	**Reax Chemicals, Hyderabad**	Rs.1,11,000/-

7. Patents

S.No	Patent Title	Name of Applicant(s)	Patent No.	Award Date	Agency/ Country	Status
1	Pesticidal Compositions and Processes Related Thereto	Hunter James E, Lo William C, Watson Gerald B, PatnyAkshay, Gustafson Gary D, Pernich Dan, **Gundla Rambabu**,	**US 2012/0329649A1**	**2012**	USA	Granted
2	Pesticidal Compositions and Processes Related Thereto	Loso Michael R, Sparks Thomas C, Joshi Hemant, MandaleswaranAdir aj, Sanam Ramadevi, **Gundla Rambabu**	**US 2014/0206537A1**	**2014**	USA	Granted
3	Pesticidal Compositions And Processes Related Thereto	James E. Hunter, William C. Lo, Gerald B. Watson, Hemant Joshi, Adiraj Mandaleswaran, Ramadevi Sanam, **Rambabu Gundla**,	**US 9,615,576 B2**	**2017**	USA	Granted

4	Pesticidal Compositions And Processes Related Thereto	James E. Hunter, William C. Lo, Gerald B. Watson, Hemant Joshi, Adiraj Mandaleswaran, Ramadevi Sanam, **Rambabu Gundla,**	WO 2012/177813 Al	**2012**	WIPO/PCT	**Published**
5	Design, Synthesis of Novel Oxyindole Inhibitors of Denv RNA Dependent RNA	**Gundla Rambabu,** Asthana Shailendra, Bhattacharyya Sankar, Maddipati Venkatanarayana Chowdary, Mittal Lovika	***WO2021/260722A1***	**2021**	WIPO/PCT	**Published**
6	Novel D-A-p-A-D Type of Hole Transporting Materials and Method of Preparation Thereof	**Rambabu Gundla**, Kishore Manda, Naresh Kumar Katari, Surendrababu Manabolu Surya, Balaji Rao Ravuri, Someshwar Pola	***Application No. 202241025324A***	**2022**	INDIA	**Published**
7	A novel pyrazole-4-sulfonamide derivatives	**Rambabu Gundla**, Naresh Kumar Katari, Panasa Mahesh, Ashok Reddy Ankireddy, Lavleen Kumar Gupta, Satya Sree Nannapaneni, Laxmi Kumari Nagarapu	***Application No. 202241051159A***	**2022**	INDIA	**Published**
8	A novel process for the preparation of pyrazole-4-sulfonamide derivatives	**Rambabu Gundla**, Naresh Kumar Katari, Panasa Mahesh, Ashok Reddy Ankireddy, Lavleen Kumar Gupta, Satya Sree Nannapaneni, Laxmi Kumari	***Application No. 202241051169A***	**2022**	INDIA	**Published**
9	Novel process for the preparation of substituted 1-phenylcyclopropane carboxamide derivatives	**Rambabu Gundla**, Naresh Kumar Katari, Panasa Mahesh, Prashanthi Yarasani, Lavleen Kumar Gupta, Laxmi Kumari Nagarapu, Sabitha Yadam	***Application No. 202241054535 A***	**2022**	INDIA	**Published**
10	Novel substituted 1-phenylcyclopropane carboxamide derivatives	**Rambabu Gundla**, Naresh Kumar Katari, Panasa Mahesh, Prashanthi Yarasani, Lavleen Kumar Gupta, Laxmi Kumari Nagarapu, Sabitha Yadam	***Application No.*** 202241054580 A	**2022**	INDIA	**Published**
11	Novel pyrazolo[3,4-b] pyridine derivatives having anti-bacterial activity	**Rambabu Gundla**, Naresh Kumar Katari, Narsimharao Bandaru, Balakrishna Kolli, Venkanna Banothu, Sabitha Yadam, Laxmi Kumari Nagarapu	***Application No.*** 202241064222 A	**2022**	INDIA	**Published**

12	Novel process for the preparation of pyrazolo[3,4-b] pyridine derivatives	**Rambabu Gundla**, Naresh Kumar Katari, Narsimharao Bandaru, Balakrishna Kolli, Parameshwar Makam, Laxmi Kumari Nagarapu, Kalyani Paidikondala	***Application No*** 202241064270 A	**2022**	INDIA	**Published**
13	Molecular hybrids of pyrazolo[3,4-b] pyridine and triazole having anti-bacterial activity	**Rambabu Gundla**, Naresh Kumar Katari, Narsimharao Bandaru, Balakrishna Kolli, Mamatha Nakka, Laxmi Kumari Nagarapu, Navya Kumari Tenkayala	***Application No*** 202241065109 A	**2022**	INDIA	**Published**
14	Novel process for the preparation of pyrazolo[3,4-b] pyridine and triazole derivatives	**Rambabu Gundla**, Naresh Kumar Katari, Narsimharao Bandaru, Balakrishna Kolli, Satya Sree Nannapaneni, Laxmi Kumari Nagarapu, Parameshwar Makam	***Application No*** 202241069567 A	**2022**	INDIA	**Published**
15	Novel process for the preparation of substituted spiro-chromanone derivatives	Rambabu Gundla, Viswanath Das, Naresh Kumar Katari, Anil Kumar Kadari, Sabitha Yadam, Suresh Patagani	***Application No*** 202241070025 A	**2022**	INDIA	**Published**
16	Novel substituted spiro-chromanone compounds as anticancer agents	Rambabu Gundla, Viswanath Das, Naresh Kumar Katari, Anil Kumar Kadari, Sabitha Yadam, Suresh Patagani	***Application No*** 202241069567 A	**2022**	INDIA	**Published**

8. PhD scholars - awarded thesis under my supervision:

S.No	Scholar Name	Title of thesis	Date and Year of award
1	Dr. Naresh Konduru	Evelopment And Validation Of Novel Stability-Indicating Methods For Selected Drugs Of Cancer And Parkinson Diseases Using Rp-Hplc And Uplc Techniques	25-07-2017
2	Dr. Satyanarayana. Y	Design, Docking, Synthesis and Biological Evaluation of Focused Libraries Based on Benzothiazole and Benzoxazole as New Potent Anti- inflammatory Agents	10-06-2020
3	Dr. Ashok reddy. A	Synthesis, Molecular Modeling Studies And Biological Evaluation Of Quinazoline And Binol Based New Antidiabetic And Antibacterial Agents	19-10-2020
4	Dr. M.Manohar	Design, Synthesis and Biological Evaluation of Imidazo - Pyrimidine and Pyridine Based Derivatives as New Anti-Proliferative Agents	18-05-2021
5	Dr. Madhusudhanareddy.	New approaches of discovery of anticancer agents: Synthesis, Biological screening and Modeling studies	01-10-2021
6	Dr.M.Venkatanarayana Chowdary	Discovery of novel Dengue inhibitors targeting RdRp enzyme	04-03-2022

7	Mr. Gopalreddy. G	Aryl Substituted Azaspirooxindolinones Derivatives: Synthesis and Biological Evaluation as Potential Inhibitors of Tec Family Kinases	Submitted for Adjudication (2022)
8	Mr. Yesuraju. A	Synthesis, Characterization and alpha-glucosidase inhibition activity of new Chiral (R)-3,3'-disubstituted BINOL- Phosphates	Submitted for Adjudication (2022)
9	Mr. Kalisavalli. S	Inhibition of Azaindole Hydroxamic Acid Derivatives towards Helicobacter pylori Methionine Aminopeptidase (HpMetAP1a) Over Human Methionine Aminopeptidase (HsMetAP1b)	Submitted for Adjudication (2022)
10	Mr. Sidvilas	Discovery of novel Dengue inhibitors targeting RdRp enzyme Design and Synthesis of 2-Mercapto Benzoxazole coupled Benzyl Triazoles as Anti-inflammatory Agents Targeting COX-2 Enzyme	Submitted for Adjudication (2022)

9. Publications

S.No.	Author(s)	Title	Name of Journal	Volume	Page	Year (IF/Q)
106	Venkatanarayana Chowdary Maddipati, Lovika Mittal, Jaskaran Kaur, Yogita Rawat, Sankar Bhattacharyya, Shailendra Asthana, **Rambabu Gundla***	Discovery of non-nucleoside oxindole derivatives as potent inhibitors against dengue RNA-dependent RNA polymerase	Bioorganic Chemistry	131	106277	2023 (5.2)/Q2
105	Madhu Sudhana Reddy Gangireddy, Vishnu Nayak Badavath, Caroline Velez, Orlando Acevedo, Siwaporn Boonyasuppayakorn, **Rambabu Gundla***	Discovery of 3-chlorobenzyl-linked 1, 9-diazaspiro [5.5] undecane derivatives, a lead for dengue virus type 2 infection	*New J. Chem*,	46	1087-1098	2022 (3.5)/Q1
104	Kumari Bhavya, Manohar Mantipally, Soumyajit Roy, Leena Arora, Suman Dasgupta, **Rambabu Gundla***, Durba Pal	Novel imidazo [1, 2-a] pyridine derivatives induce apoptosis and cell cycle arrest in non-small cell lung cancer by activating NADPH oxidase mediated oxidative stress	Life sciences	294	120334	2022 (6.78)/Q1
102	Sarika Kondabanthini, Naresh Kumar Katari, Malempati Srimannarayana, **Rambabu Gundla**, Manojit Pal	A rapid synthesis of 5-substituted 7-amino-6-cyano-1, 5-dihydro-1H-pyrano [2, 3-d] pyrimidine-2, 4 (3H)-diones and their in silico/in vitro evaluation against SIRT1	Journal of Molecular Structure	1276	134753	2023 (3.8)/Q2
101	Bharati Reddi, Chandan Kishor, Aruna Jangam, Sandeepchowdary Bala, Uma Rajeswari Batchu, **Rambabu Gundla**, Anthony Addlagatta	Regioselectivity in inhibition of peptide deformylase from Haemophilus influenzae by 4-vs 5-azaindole hydroxamic acid derivatives: Biochemical, structural and antimicrobial studies	Bioorganic Chemistry	128	106095	2022 (5.2)/Q2
100	Sujana Oggu, Bala Divya Mallavarapu, Pradeep Natarajan, Srimannarayana Malempati, **Rambabu Gundla***	Synthesis, Cytotoxicity and Molecular Docking Studies of Chalcone Incorporated 1, 2, 3-Triazol-1, 3, 5-Triazin-Quinazoline as Anti-Cancer Agents	Journal of Molecular Structure	1266	133412	2022 (3.86)/Q2
99	Narasimha Rao Bandaru, Parameshwar Makam, Parameswari Akshinthala, Naresh Kumar Katari, Venkanna Banoth, Balakrishna Kolli, **Rambabu Gundla***	Molecular Hybrids of Pyazolo[3,4-*b*]pyridine and Triazole: Design, Synthesis and In Vitro Antibacterial Studies	Molecules	27	7647	2022 (4.92)/Q1

98	Chidvilas Kurapati, Murugan Muthukrishnan, Om V Singh, **Rambabu Gundla***	Thallium(III) p-tosylate-mediated oxidative [1,2] rearrangement of 2-naphthyl and 2-heteroarylchromanones	Journal of Heterocyclic Chemistry	59	172-177	2022 (2.35)/Q3
97	Chidvilas Kurapati, Kalyani Paidikondala, Vishnu Nayak Badavath, Sabnam Parveen, Om V Singh, **Rambabu Gundla***	Design, and synthesis of *N*-benzyl spiro-piperidine hydroxamic acid-based derivatives: Histone deacetylase inhibitory activity and drug-likeness prediction	Journal of Heterocyclic Chemistry	59	2006-2015	2022 (2.35)/Q3
96	Manjinder Singh Phull, Surender Singh Jadav, Chander Singh Bohara, **Rambabu Gundla***, Prathama S Mainkar	Continuous flow process for preparing budesonide	J Flow Chem	12(2)	237-246	2022 (3.52)/Q1
95	Kishore Manda, Ranjith Kore, Meenakshamma Ambapuram, Prabhakar Chetti, Narendra Babu S, **Rambabu Gundla***, Raghavender Mitty, Someshwar Pola	Benzodithiophene-Based, Donor–Acceptor–π–Donor–Acceptor Systems as Hole Transporting Materials for Efficient Perovskite Solar Cells	ChemPhotoChem		e202200062	2022 (3.6)/Q1
94	MP Reddy, N Konduru**, R Gundla,** LP Kowtharapu	Regulatory Perspective Development and Validation of Novel RP-HPLC Method of Midostaurin Drug Substance using Analytical Quality by Design approach; Identified Major Degradation Compounds Mass by Using LC-MS technique.	Biomedical Chromatography: BMC		e5486-e5486	2022 (1.9)/Q3
93	Naresh Konduru, **Rambabu Gundla,** Thirupathi Dongala, Naresh Kumar Katari, Ravindra Mallavarapu	Development and validation of liquid chromatography method for determination of Ibrutinib in finished dosage forms using quality by design approach	Separation Science Plus	5	254-266	2022 (3.64)/Q2
92	Naresh Konduru, Leela Prasad Kowtharapu, **Rambabu Gundla**	Unique liquid chromatography technique for the determination of mirabegron in the presence of polymers; robustness by Design Expert in the light of Quality by Design	Biomedical Chromatography	36	e5449	2022 (1.9)/Q3
91	Sarika Kondabanthini, Naresh Kumar Katari, Malempati Srimannarayana, **Rambabu Gundla**, Ravikumar Kapavarapu, Manojit Pal	Wang resin catalyzed sonochemical synthesis of dihydropyrano [2, 3-c] pyrazole derivatives and their interactions with SIRT1	Journal of Molecular Structure	1266	133527	2022 (3.86)/Q2

90	Divya Kumar Vemuri, **Rambabu Gundla***, Naresh Konduru, Ravindra Mallavarapu, Naresh Kumar Katari	Favipiravir (SARS-CoV-2) degradation impurities: Identification and route of degradation mechanism in the finished solid dosage form using LC/LC–MS method	Biomedical Chromatography	36(6)	e5363	2022 (2.53)/Q3
89	Chidvilas Kurapati, M Muthukrishnan, Om V Singh, **Rambabu Gundla***	Thallium (III) p-tosylate (TTS) mediated oxidative rearrangement of 2-naphthyl and 2-Heteroarylchromanone	Indian Journal of Chemistry (IJC)	61	923-927	2022 (0.412/Q3
88	Naresh Konduru, Vijay Babu Kethe, **Rambabu Gundla,** Naresh Kumar Katari, Ravindra Mallavarapu	Determination of progesterone (steroid drug) in the semi-solid dosage form (vaginal gel) using a stability-indicating method by RP-HPLC/PDA detector	Biomedical Chromatography	36	e5246	2021 (1.905/Q3
87	Shaik Baji Baba, Naresh Kumar Katari, **Rambabu Gundla**	Nitrogen and Oxygen-based Heterocycles as Potential Anti-Infective Agents	Frontiers in Anti-Infective Agents	6	139	2021 (3.26)/
86	Gopal Mudasani, Kalyani Paidikondala, Soňa Gurská, Shambabu Joseph Maddirala Petr Džubák, Viswanath Das **Rambabu Gundla***	C-5 Aryl Substituted AzaspirooxindolinonesDerivatives: Synthesis and Biological Evaluation as Potential Inhibitors of Tec Family Kinases	European Journal of Organic Chemistry	33	4630-4640	2021 (3.261)/ Q2
85	Srinu Bhoomandla, **Rambabu Gundla***, and Phani Raja Kanuparthy	Synthesis of Novel Pyrazole Tagged Pyridine Derivatives; Their Antimicrobial Activity	Letters in Organic Chemistry ACS Applied Energy Materials	18	1-7	2021 (1.02)/ Q4
84	SandeepchowdaryBala, KalishavaliYellamand, AnilkumarKadari, Venkata.S.U.Ravinuthala, BhavitaKattula, Om V.Singh, **Rambabu Gundla***, AnthonyAddlagatta	Selective inhibition of *Helicobacter pylori* methionine aminopeptidase by azaindole hydroxamic acid derivatives: Design, synthesis, *in vitro* biochemical and structural studies	Bioorganic Chemistry	115	105185	2021 (5.25)/ Q2
83	Gopal Mudasani, Kalyani Paidikondala, **Rambabu Gundla***, Shambabu Joseph Maddirala, Viswanath Das	Synthesis and Biological Evaluation of5′-Arylspiro[piperidine-4,3′-pyrrolo-[2,3-b]pyridin] Analogues	ChemistrySelect	6	3378-3381	2021 (1.50)/ Q2
82	Vijay Kumar Pasala, Gopinath Gudipudi, Venu Sankeshi, Manohar Basude, **Rambabu Gundla**, Surendar singh Jadav, Burra Srinivas, E Yadaiah Goud, Devasani Nareshkumar	Design, synthesis and biological evaluation of selective hybrid coumarin-thiazolidinedione aldose reductase-II inhibitors as potential antidiabetics	Bioorganic Chemistry	12	104970	2021 (4.50)/ Q2

81	Madhu Sudhana Reddy Gangireddy, Manohar Mantipally, Vishnu Nayak Badavath, **Rambabu Gundla***	Design, synthesis and molecular docking of piperidin-4-amine linked pyrimidine derivatives as potent anticancer agents	Chemical Data Collections	32	100646	2021 (1.80)/ Q3
80	Venkat Rao Valluri, Naresh Kumar Katari, Chirag Khatri, Siva Sankara Rao Yadlapalli, Krishnan Anand, **Rambabu Gundla**, Srinivasa Rao Polagani	A novel LC-MS/MS method for simultaneous estimation of obeticholic acid, glyco-obeticholic acid, tauro-obeticholic acid in human plasma and its application to a pharmacokinetic …	Journal of Separation Science	44	1307-1323	2021 (2.54)/ Q2
79	Tanu Srivastava, Naresh Kumar Katari, Balaji Rao Ravuri, **Rambabu Gundla**, S Krishna Mohan	Influence of Filler Content on Thermo-Physical Properties of Hollow Glass Microsphere-Silicone Matrix Composite	Silicon		1-11	2021 (1.24)/ Q2
78	Srinu Bhoomandla, Phani R Kanuparthy, **Rambabu Gundla***, Ramana Reddy Bobbala	40% aq. HF Catalyzed Three-Component Synthesis of Novel Indeno [1, 2-b][1, 8] naphthyridin-6 (11H)-one Derivatives and their Antimicrobial Activity	Letters in Organic Chemistry	18	13-21	2021 (1.02)/ Q4
77	Manjinder Singh Phull, Surender Singh Jadav, **Rambabu Gundla***, Prathama S Mainkar	A Perspective on Medicinal Chemistry Approaches towards Adenomatous Polyposis Coli and Wnt signal based Colorectal Cancer Inhibitors	European Journal of Medicinal Chemistry	212	113149	2021(5.57)/ Q1
76	K. Praveen Kumar, Y. Prashanthi, **G. Rambabu**, Md. Ataur Rahman And J.S. Yadav	Design and Synthesis of 2-Mercapto Benzoxazole coupled Benzyl Triazoles as Anti-inflammatory Agents Targeting COX-2 Enzyme	Asian Journal of Chemistry	32	3209-3218	2020 (0.52)/ ***Q2***
75	Velusamy B Subramanian, Naresh Konduru, Naresh Kumar Katari, Thirupathi Dongala, **Rambabu Gundla***	A simple high-performance liquid chromatography method development for Carbidopa and Levodopa impurities: Evaluation of risk assessment before method validation by Quality by Design (QBD)	Separation Science	3 (11-12),	530-539	2020 (2.52)/ ***Q2***
74	A Reddy Ankireddy, K Paidikondala, R Syed **Rambabu Gundla***, Ch Venkata Ramana Reddy, T Ganapathi	Synthesis of Chiral 3, 3′-Disubstituted (S)-BINOL Derivatives via the Kumada and Suzuki Coupling and Their Antibacterial Activity	Russian Journal of General Chemistry	90 (8)	1507-1517	2020 (0.75)/ ***Q2***

73	Naresh Konduru, **Rambabu Gundla***, Naresh Kumar Katari, Kalyani Paidikondala, Annem Siva Reddy, Varaprasad Jagadabi	Development and Validation of a Stability-indicating Method for Ibrutinib: Identification and Separation of Degradation Products, Known and Genotoxic Impurities Using RP-HPLC …	Analytical Chemistry Letters	10 (1),	113-136	2020 (0.75)/ ***Q4***
72	Venkatanarayana Chowdary Maddipati, Lovika Mittal, Manohar Mantipally, Shailendra Asthana, Sankar Bhattacharyya, **Rambabu Gundla***	A Review on the Progress and Prospects of Dengue Drug Discovery Targeting NS5 RNA-Dependent RNA Polymerase	Curr Pharm Des	26(35)	4386-4409	2020 (2.52)/ ***Q2***
71	Madhusudhana Reddy Gangireddy, Manohar Mantipally, **Rambabu Gundla*** Vishnu Nayak Badavath, Kalyani Paidikondala, Anilkumar Yamala	Design and synthesis of piperazine-linked imidazo [1, 2-a] pyridine derivatives as potent anticancer agents	ChemistrySelect	4(46),	13622-13629	**2019** (1.50)/ ***Q2***
70	AR Ankireddy, R Syed, **Rambabu Gundla*** KL Manasa, CVR Reddy, S Yatam, K Paidikondala	Kumada Cross Coupling Reaction for the Synthesis of Quinazoline Derivatives, Evaluation of Their Antibacterial Activity and Docking Studies	Russian Journal of General Chemistry	89 (12),	2544-2557	2019 (0.75)/ ***Q2***
69	Krishna Kanthi Gudimella, Kishore Babu Bonige, **Rambabu Gundla**, Naresh Kumar Katari, Bhaskar Yamajala, Venkateswara Rao Battula	2, 4-Diphenyl-1, 2-dihydroquinazoline Derivatives: Synthesis, Anticancer Activity and Docking Studies	***ChemistrySelect***	4 (43)	12528-12533	**2019** (1.50)/ ***Q2***
68	Satyanarayana Yatam, Surender Singh Jadav, Krishna Prasadh Gundla, Kalyani Paidikondala, Ashok Reddy Ankireddy, Bathini Nagendra Babu, Mohamed Jawed Ahsan, **Rambabu Gundla***	2-Mercapto Benzthiazole coupled benzyl Triazoles as new COX-2 inhibitors: Design, synthesis, biological testing and molecular modeling studies	***ChemistrySelect***	4 (37)	11081-11092	**2019** (1.50)/ ***Q2***
67	Manohar Mantipallya, **Rambabu Gundla***, Vishnu Nayak Badavath, Venkatanarayana Chowdary Maddipati	Rational design, molecular docking and synthesis of novel homopiperazine linked imidazo[1,2-a]pyrimidine derivatives as potent cytotoxic and antimicrobial agents	***Bioorg Med Chem Lett. 2019 Jun 20. doi: 10.1016/j.bmcl.2019.06.031***	29 (16),	2248-2253	2019 (2.42)/ Q2

66	Y Kalisha Vali, **Rambabu Gundla***, Om V Singh, Yasinalli Tamboli, Lorenzo Di Cesare Manelli, Carla Ghelardini, Abdul-Malek S Al-Tamimi, Fabrizio Carta, Andrea Angeli, Claudiu T Supuran	Spirocyclic sulfonamides with carbonic anhydrase inhibitory and anti-neuropathic pain activity	Bioorganic Chemistry	92	103210	2019 (5.2)/ ***Q2***
65	Ashok Reddy Ankireddy, Kalyani Paidikondala, Rambabu Gundla,* Tuniki Balaraju, Ramakanth Pagadala,and Venkanna Banothu	Synthesis of New Chiral (R)-BINOL Derivatives under Microwave Irradiation and Evaluation of Their Antibacterial and α-Glucosidase Inhibitory Activity	***Chemistry Select***	4	**1 - 8**	**2019** (1.50)/ ***Q2***
64	ManoharMantipally, **Rambabu Gundla***, Madhusudhana Reddy Gangireddy, ViswanatVijayan, Velmurugan Devadasan	An approach towards the oxidation of 2-amino-4H-chromenes to 2-imino-2H-chromenes	***Tetrahedron Letters***	**59**	**4616-4619**	**2018** (2.379)/ ***Q2***
63	Ashok Reddy Ankireddy, **Rambabu Gundla***, Tuniki Balaraju, Venkanna Banothu, Krishna Prasad Gundla, Uma Addepally, Jithendra Chimakurthy	Quinazolin derivatives as emerging alpha-glucosidase inhibitors	European Journal of Chemistry	9	*322-330*	***2018 (5.0)*** / ***Q1***
62	SatayanarayanaYatam,Surender Singh Jadav, **Rambabu Gundla*,** Krishna Prasadh Gundla, and Jithendra Chimakurthy	Design, Synthesis and Biological Evaluation of 2(((5-aryl-1,2,4-oxadiazol-3-yl)methyl)thio)benzo[d]oxazoles: New Antiinflammatory and Antioxidant Agents	***Chemistry Select***	**3**	***1-7***	**2018** (1.50)/ ***Q2***
61	Satayanarayana Yatam, **Rambabu Gundla***,Surender Singh Jadav, Narayanareddy Peddapadava	Focused Library Design and Synthesis of 2-mercapto benzothiazole linked 1,2,4 oxadiazoles as COX-2/5-LOX Inhibitors	***Journal of Molecular Structure***	***1159***	***193-204***	***2018*** (1.90)/ ***Q2***
60	Mohamed Jawed Ahsan, Yassine Riadi, Md Habban Akhter, **Rambabu Gundla**	Synthesis and biological potentials of some new 1,3,4-oxadiazole analogues	***Medicinal Chemistry Research***	***27***	***864–883***	***2018*** (1.43)/ ***Q3***
59	Ashok Reddy Ankireddy, **Rambabu Gundla***, Tuniki Balaraju, Venkanna Banothu, Kalyani Paidikondala, Manohar Mantipally	Synthesis, Characterization and Antibacterial Activity of Some Novel C-7-Substituted-2-morpholino-N-(pyridin-2-ylmethyl)quinazolin-4-amine Derivatives	**DerPharma Chemica**	**10(11):**	**40-48**	**2018** (0.93)/Q4

58	Naresh Konduru, **Rambabu Gundla***, Naresh Kumar Katari, GV Madhuri	Stability Indicating Method of Entacapone Related Substances by Using UPLC In Finished Dosage Form	***Current Science***	144	***644-649***	***2018*** (1.09)/ Q2
57	Madala Subramanyam, Reddymasu Sreenivasulu · M. V. Basaveswara Rao · **Rambabu Gundla** · Koya Prabhakara Rao	Synthesis, Biological Evaluation and Docking studies of 1,3,4-Oxadiazole Fused Benzothiazole Derivatives for Anticancer Drugs	***Letters in Drug Design& Discovery***	***18***	***22-45***	***2018*** (1.19)/ ***Q3***
56	VasubabuGorantla, **RambabuGundla*,**Surender Singh Jadav, Sreenivasa Reddy, JithendraChimakurthy	New anti-inflammatory hybrid N-Acylhydrazone linked isoxoxazole derivatives as selective COX-2 inhibitors: Rational Design, Synthesis and Biological evaluation	***Chemistry Select***	2	***8091-8100***	**2017** (1.50)/ Q2
55	Vasubabu Gorantla, **Rambabu Gundl*** Surender Singh Jadavc, Sreenivasa Reddy Anugub,Jithendra Chimakurthy	Molecular Hybrid Design, Synthesis and Biological Evaluation of NPhenyl Sulfonamide Linked N-Acyl Hydrazone Derivatives Functioning as COX-2 Inhibitors: New Anti-Inflammatory, Anti-	***New Journal of Chemistry***	***41***	***13516-13532***.	**2017** (3.27)/ ***Q1***
54	Jyoti Chauhan, Tania Luthra, **Rambabu Gundla**, Antonio Ferraro, Ulrike Holzgrabe, Subhabrata Sen	A diversity oriented synthesis of natural product inspired molecular libraries	**Organic & Biomolecular Chemistry**	***43***	***9108-9120***	2017 (3.56)/ ***Q1***
53	Pedavenkatagari Narayana Reddy, Bobbala Ramana Reddy **Gundla Rambabu**	Synthesis, molecular docking, antiproliferative and antimicrobial activity of novel pyrano[3,2-c]carbazole derivatives	**Medicinal Chemistry Research**	***25***	***2093-2103***	2016 (1.43)/ ***Q2***
52	Pannala Padmaja, Basireddy V. Subba Pedavenkatagari Narayana Reddy, **Gundla Rambabu**	Synthesis, Molecular Docking and in vitro Antiproliferative activity of Novel Pyrano[3,2-c]carbazole derivatives	**New Journal of Chemistry**	**40**	**8305-8315**	2016 (3.27)/ ***Q1***
51	P Polamreddy, VINITA Vishwakarma, R Gundla	A Review On Anti-Hcv Agents Targeting Active Site And Allosteric Sites Of Non-Structural Protein 5b [Ns5b]	Int J Pharm Pharm Sci	**8**	**1-18**	2016 (2.33)/ ***Q2***

51	ParagBhattacharya, Madala Kishore , Mangnoor Laksmi Narsu , **Rambabu Gundla** , Nouri Neamati	Designing Novel MEK1inhibitors as Anticancer agents	**International Journal of Life Science and Pharma Research**	***6***	***23-33***	***2016*** **(0.49)/** ***Q4***
50	Dean Y. Maeda, Angela M. Peck , Aaron D. Schuler , Mark T. Quinn, Liliya N. Kirpotina, Winston N. Wicomb, Richard L. Auten, **Rambabu Gundla**, John A.Z	Boronic acid-containing CXCR1/2 antagonists: Optimization of metabolic stability, in vivo evaluation, and a proposed receptor binding model	**Bioorg. Med. Chem. Lett**	***25***	**2280–84**	**2015** (2.42)/ ***Q2***
49	Pedavenkatagari Narayana Reddy, Pannala Padmaja, Basireddy V. Subba Reddy, **Gundla Rambabu**	Ionic liquid/water mixtures promoted organic transformations	**RSC Adv**	***5***	**51035-51054**	**2015** (3.28)/ ***Q1***
48	Kumar BV, Lakshmi N, Kumar MR, **Rambabu G**, Manjashetty TH, Arunasree KM, Sriram D, Ramkumar K, Neamati N, Dayam R, Sarma JA	Design, synthesis and screening studies of potent thiazol-2-amine derivatives as fibroblast growth factor receptor 1 inhibitors	**Curr Top Med Chem**	***17***	***2031-2041***	**2014** (3.40)/ ***Q2***
	Rajinikanth Mamidala, V Surendra Babu Damerla, Rambabu Gundla, M Thirumala Chary, YLN Murthy, Subhabrata Sen	Pyrrolidine and piperidine based chiral spiro and fused scaffolds via build/couple/pair approach	***RSC Advances***	***4***	***10619-10626***	2014 ***Q1***
47	Pavan Kumar Machiraju, Jagarlapudi A.R.P. Sarma, K.R.S. Sambasiva Rao and **Rambabu Gundla**	Pharmacophore Modeling and Virtual Screening Studies on Colony Stimulating Factor 1 Receptor (CSF1R) Inhibitors	**International Journal of Drug Design and Discovery**	***1***	**1276-1284**	**2014** (0.52)/ 2349-9036
46	Venkateshwarlu Gurram, Ramesh Garlapati, Chiranjeevi Thulluri, Nagaraju Madala Kumara Swamy Kasani, Pavan Kumar Machiraju, Raju Doddapalla, Uma Addepally,**Rambabu Gundla**, Balaram Patro, Narender Pottabathini	Synthesis, and biological evaluation of quinazoline derivatives as a-glucosidase inhibitors.	**Medicinal Chemistry Research**	***1***	**1276-1284**	**2014** (1.43)/ Q2

45	Ramesh Garlapati,NarenderPottabathini,VenkateshwarluGurram, Kumara SwamyKasani, **Rambabu Gundla**,ChiranjeeviThulluri, Pavan Kumar Machiraju,Avinash B.	*Development of α-glucosidase inhibitors by room temperature C–C cross couplings of quinazolinone*	**Org. Biomol. Chem**	***11***	***4778–4791***	**2013** (3.56)/ Q1
44	Sunil Kumar B, Lakshmi Narasu L, **RambabuGundla,** RaveendraDayam R, SarmaJ A R P	*Fibroblast growth factor receptor inhibitors*	**Curr Pharm Des**	**4**	**687-701**	**2013** (3.45)/ Q2
43	RamuSurakanti, SumalathaSanivarapu, ChiranjeeviThulluri, Pravin S. Iyer, Raghuram S. Tangirala, **Rambabu Gundla**,Uma Addepally, YLN Murthy, Lakshmi Velide, Subhabrata Sen	*Synthesis of Privileged Scaffolds by Using Diversity-Oriented Synthesis*	**Chem. Asian.J.**	**8**	***1168 – 1176***	**2013** (4.59)/ Q1
42	Subhabrata Sen, RajanikanthMamidala, **Rambabu Gundla**, Charya.MT	*Diversity Oriented Synthesis of Macrocyclic Diaryl Ethers by DotzBenzannulatio*	**Asian J. Org. Chem**	***00***	***0 – 0***	**2013** (3.27)/ ***Q1***
41	Subhabrata Sen,Siva R. Kamma,**RambabuGundla**,Uma Adepally, Santosh Kuncha,Sridhar Thirnathi, Viplava Prasad	*A reagent based DOS strategy via Evans chiral auxiliary: highly stereoselective Michael reaction towards optically active quinolizidinones, piperidinones and pyrrolidinones*	**RSC Adv**	**3**	***2404–2411***	**2013** (3.28)/ ***Q1***
40	Damerla VS, Tulluri C, **Rambabu Gundla**, Naviri L, Adepally U, Iyer PS, Murthy YL, Prabhakar N, Sen S	*Reagent-based DOS: developing a diastereoselective methodology to access spirocyclic- and fused heterocyclic ring systems*	**Chem AsianJ.**	**10**	**2351-60**	**2012** (4.59)/ ***Q1***
39	Kumar S, Narasu L, **Rambabu Gundla**, Dayam R, Sarma JA	*Fibroblast Growth Factor Receptor Inhibitors.*	**Curr Pharm Des.**	***26.***		**2012** (3.45)/ 1381-6128. (Print);
38	Sunita Tajne, Ramadevi Sanam, **Rambabu Gundla**, Dayakar B, Dashavantha Reddy Vudem, Venkateswara	Molecular modeling of Bt Cry1Ac (DI-DII)- ASAL (Allium sativum lectin)-fusion protein and its	**J Mol Graph Model.**	**33**	***61-76***	***2012*** (1.67)/ ***Q2***

37	N Anantharamulu, KK Rao, **G Rambabu**, BV Kumar, V Radha, M Vithal	A wideranging review on Nasicon type materials	Journal of materials science	**46 (9),**	***2821-2837***	***2011 (2.30) / Q1***
36	Yamada R, Cao X, Butkevich AN, Millard M, Odde S, Mordwinkin N, **Rambabu Gundla**, Zandi E, Louie SG, Petasis NA,	Discovery and preclinical evaluation of a novel class of cytotoxic propynoic acid carbamoyl methyl amides (PACMAs)	J Med Chem	**54(8),**	***2902-14***	***2011 (5.45) / Q1***
35	S. Vadivelan, T.N. Deeksha, S. Arun, Pavan Kumar Machiraju, **Rambabu Gundla**,BarijN ayan Sinha, Sarma A.R.P. Jagarlapudi	Virtual screening studies on HIV-1 reverse transcriptase inhibitors to design potent leads	Eur J Med Chem.	**46(3)**	***851-859***	***2011 (3.45) / Q1***
34	VikasBagga, Om Silakari, Vijay Singh Ghorela ,**Rambabu Gundla**, JagarlapudiSarma	A Three-Dimensional Pharmacophore Modeling of ITK Inhibitors and virtual screening for novel inhibitors	SAR and QSAR in Environment al Research	**22 (1)**	***171–190***	***2011 (1.89) / Q3***
33	Kumar BV, Kotla R, Buddiga R, Roy J, Singh SS, **Rambabu Gundla**, Ravikumar M, Sarma JA	Ligand-based and structure-based approaches in identifying ideal pharmacophore against c-Jun N- terminal kinase-3.	J Mol Model	**17(1)**	***151-163.***	***2011 (1.43) / Q3***
32	Roy J, Kumar UC, Machiraju PK, Muttineni RK, Kumar B V S S, **Rambabu Gundla**, Dayam R, Sarma JA	Insilico studies on anthrax lethal factor inhibitors: pharmacophore modeling and virtual screening approaches towards designing of novel	J Mol Graph Model	**29(2)**	***256-260***	***2010 (1.93) / Q2***
31	Ramadevi S, Vadivelan S, Sunita T, Lakshmi N, **Rambabu Gundla**, Sarma JARP	Discovery of novel HSP90 kinase inhibitors: pharmacophore design databasesecreening and docking studies	J Mol Graph Model	**28(6),**	***472-477***	***2010 (1.93) / Q2***
30	Ramadevi S, Vadivelan S, Sunita T, Lakshmi N, **Rambabu Gundla**.; Sarma JARP	Discovery of novel ZAP-70 kinase inhibitors: pharmacophore design, database screening and docking studies	Eur J Med Chem	**44(12)**	***4793-800***	***2009 (3.45) / Q1***
29	Munipalli Haripriya, **Gundla Rambabu**, Sarma Jagarlapudi	Modeling of human caspase-5 protein and docking studies of caspase-5 inhibitors against modeled caspase-5.	Journal of Global Pharma Technology.	**2(7)**	***13-26***	***2010 (1.05) / Q4***
28	Kiran, B.; Dubey, P.K.; Sarma, J. A..R. P.; Vadivelan. S.; **Rambabu, G**	Knowledge based identification of MAO-B selective inhibitors using pharmacophore and structure based virtual screening models	European Journal of Medicinal Chemistry	**44**	***3584–3590***	***2009 (3.45) / Q1***

27	Kavya Ramkumar, **R Gundla**, N Neamati, KV Tambov, AV Manaev, V Yarovenko, VF Traven	Corrigendum to" Discovery of 3-acetyl-4-hydroxy-2-pyranone derivatives and their difluoridoborate complexes as a novel class of HIV-1 integrase	Bioorganic & Medicinal Chemistry	**17**	929-929	***2009 (3.64) / Q2***
26	**Rambabu, G**.; Roza, K.; Ramadevi, S.; Ravikumar, M.; Raveendra, D.; Sarma, A.R.P.J.; Nouri, N	Discovery of Novel Small-Molecule Inhibitors of HER2/neu: Combined Ligand-Based and Target-Based Approach	Journal of Medicinal Chemistry	**51**	***3367-3377***	***2008 (5.45) / Q1***
25	Kavya, R.; **Rambabu, G.;** Valery, F. T.; Alexandr, V. M.; Konstantin, V.T.; Nouri, N	Discovery of unsaturated ketones-3- acetyl-4-hydroxy-2- pyrone derivatives and their difluoridoborate complexes as a novel class of	Bioorganic& Medicinal Chemistry	**16**	***8988-8998***	***2008 (2.79) / Q2***
24	Raveendra, D.; **Rambabu, G**.;Laith, Q. A. ; Nouri, N	HIV-1 Integrase Inhibitors: 2005 - 2006 Update	Medicinal Research Reviews	**28**	***118-154***	***2008 (9.13) / Q1***
23	Pratigya, S.; Savitridevi S.; Gyati, S.; Darm, V. K.; **Rambabu, G**.; Soumya, S.; Santosh, S.; Silakari, O	QSAR analysis of 1,3-diaryl-4,5,6,7- tetrahydro-2H-isoindole derivatives as selective COX-2 Inhibitors	European Journal of Medicinal Chemistry	**43**	***1559-1566***	***2008 (3.45) / Q1***
22	**Rambabu, G**.; Anantharamulu, N.; Koteswararao, K.; Prasad, G.; Vithal, M	Powder X-ray diffraction, infrared and conductivity studies of AgSbMP3 O12 (M = Al, Ga, Fe	Materials Research Bulletin	**43**	***1509-1518***	***2008 (2.43) / Q1***
21	Vadivelan, S.; Sinha, B. N.; **Rambabu, G**.; Kiran, B.; Sarma, A R P J	Pharmacophore Modeling and Virtual Screening Studies to Design Potential HistoneDeacetylase Inhibitors	Journal of Molecular Graphics and Modeling	**26**	***935-946***	***2007 (1.67) / Q2***
20	Tabish, E.; Silakari, O.; **Rambabu,G**.;Ravikumar, M	Pharmacophore mapping of diverse classes of farnesyltransferase inhibitors	Bioorganic& Medicinal Chemistry Letters	**17**	***1594 – 1600***	***2007 (2.42) / Q2***
19	**Rambabu, G**.;Koteswararao, K.; Anantharamulu, N.; Raghavender, M.; Prasad. G.;Prashanthkumar, M.;	Preparation, characterization, conductivity and thermal expansion studies of Ca0.5SbMP3O12(M = Al, Fe, Cr)	Journal of Material Sciences	**42**	***3613–3620***	***2007 (2.30) / Q1***
18	**Rambabu, G**.; Anantharamulu, N.; Koteswararao, K.; Sarma, JARP.; Vithal, M	Preparation, characterization and conductivity studies of a Nasicon system Ag3-2xTaxAl2-x(PO 4)3 (x =	Physica status solidi.A	**204**	***3454-3462***	***2007 (1.64) / Q4***

17	Sairam, KVVM.; **Rambabu, G**.; Sarma, JARP.; Desiraju, G.R	Ligand Coordinate Analysis of SC-558 from the Active Site to the Surface of COX-2: AMolecular Dynamics Study.	Journal of Chemical Information and Modeling	**46**	***1784 – 1794***	***2006 (3.73) / Q1***
16	**Rambabu, G**.; Anantharamulu, N.; Vithal, M.; Raghavender, M.; Prasad, G	Preparation, characterization, and impedance studies of LiSbM(PO4)3 (M=Al, Fe, and Cr)	Journal of Applied Physics	**610 0**	***08370***	***2006 (2.12) / Q2***
15	Aparna, V.; **Rambabu, G.**; Panigrahi, SK.; Sarma, JARP.; Desiraju, GR	Virtual Screening of 4-Anilinoquinazoline Analogs as EGFR Kinase Inhibitors: Importance of Hydrogen Bonds in the Evaluation of Poses and	Journal of Chemical Information and Computer Sciences	**45**	***725-738***	***2005 (3.65) / Q1***
14	Koteswara Rao, K.; **Rambabu, G**.; Raghavender, M.; Prasad, G.; Kumar, GS.; Vithal, M	Preparation, characterization and impedance study of AgTaMP3O12 (M =	Solid State Ionics	**176**	***2701 – 2710***	***2005 (2.12) / Q1***
13	Vema, A.; Panigrahi, SK.; **Rambabu, G**.;Gopalakrishnan, B.; Sarma, JARP.; Desiraju, GR	Design of EGFR Kinase Inhibitors: A Ligand Based Approach and its Confirmation with Structure Based Studies	Bioorganic & Medicinal Chemistry	**11**	***4643–4653***	***2003 (2.79) / Q2***
12	Sarma, J ARP.;**Rambabu, G.**;, Srikanth, K.; Raveendra, D.; Vithal	Analogue based design of MMP-13 (collagenase-3) inhibitors	Bioorganic & Medicinal Chemistry Letters	**12**	***2689-2693***	***2002 (2.42) / Q2***
Recently accepted articles for Publications						
11	Lova Gani Raju Bandaru, Naresh Konduru, Leela Prasad Kowtharapu, Phani Raja Kanuparthy, **Rambabu Gundla**	Development and validation of Apalutamide related substances method in solid dosage forms using HPLC.	Biomedical Chromatography			2022 (1.9)/ Q3
10	Divya Kumar Vemuri, Parameswari Akshinthala, Naresh Konduru, Leela Prasad Kowtharapu, Naresh Kumar Katari, Sreekantha Babu Jonnalagadda, **Rambabu Gundla**	Unique Quality by Design Approach for Developing HPLC and LC-MS Method for Estimation of Process and Degradation Impurities in Pibrentasvir, Antiviral Agent for Hepatitis C	ACS omega			2022 (4.1)/ Q1
9	Sujatha Maddu, Tanu Srivastava, Naresh Kumar Katari, Karuna Merugu, **Rambabu Gundla**	Studies on Ablative Performance of silicone low density ablative material	Silicon			2022/ Q2
8	Madhu Prakash Reddy Saddala, Naresh Konduru, **Rambabu Gundla**, Leela Prasad Kowtharapu	Development and validation of novel RP-HPLC method for midostaurin determination using analytical quality by design	Biomedical Chromatography	36	E5486	2022 (1.9)/ Q3

7	Baji Baba Shaik, Naresh Kumar Katari*, Nandimalla Vishnu, **Rambabu Gundla**, Sreekantha B Jonnalagadda	Variants and Spike Mutations of Covid-19	Accepted 2022		Health in One Science **Q2**
6	Development of RSM-Box Behnken Design QbD approach for Stability indicating method with Simultaneous Determination of	Parvateesam Yenda, Naresh Kumar Katari*, Santhosh Kumar Ettaboina, Balasubramanian Satheesh, **Rambabu Gundla**, Siva Krishna Muchakayala	Accepted 2022		Biomedical Chromatography (**Wiley**) **Q3 journal**
5	Antiproliferative Activity of Novel Pyrazole-4-sulfonamide Derivatives: Synthesis and Biological Evaluation	Panasa Mahesh, Parameswari Akshinthala, Naresh Kumar Katari, **Rambabu Gundla***	Accepted 2022		ACS Omega **Q1 journal**
4	Design, synthesis, anticancer evaluation and molecular docking studies of 1,2,3-Triazole incorporated 1,3,4-Oxadiazole-Triazine	Sujana Oggu, Parameswari Akshinthala, Naresh Kumar Katari, Srimannarayana Malempati, **Rambabu Gundla***	Accepted 2022 SCI WoS SCOPUS	Impact Factor: **3.841** DOI:	Journal of Molecular Structure (**Elsevier**)
3	Convenient Synthesis, Characterization and Biological Evaluation of Novel 1-Phenylcyclopropane Carboxamide Derivatives	Panasa Mahesh, Parameswari Akshinthala, , Deepali Srivastava, **Rambabu Gundla***	Accepted January 2023 SCI WoS SCOPUS	Impact Factor: **3.776** DOI:	Heliyon (Cell) **Q1 journal**
2	Studies on Ablative Performance of silicone low density ablative material	Maddu Sujatha, Tanu Srivastava, Naresh Kumar Katari*, **Rambabu Gundla**, Krishna Mohan S	Accepted 2023	Impact Factor: **2.941** DOI:	Silicon (**Springer**) **Q2 journal**
1	Imperative QbD application: Stability-indicative method assessment for Nintedanib Esylate related impurities	Parvateesam Yenda, Naresh Kumar Katari*, **Rambabu Gundla**, Balasubramanian Satheesh, Siva Krishna Muchakayala, Vijay Kumar	Accepted November 2022 SCI WoS SCOPUS	Impact Factor: **3.645** DOI:	Journal of Separation Science (**Wiley**)

10. Books/Chapters

S.No	Title	Author"s Name	Publisher	Year of Publication
1	**Chapter 26.** Design of HIV-1 Integrase Inhibitors Using Computer-aided techniques	Erik Serrao, **Rambabu Gundla**, Jinxia Deng, Srinivas Odde, Nouri Neamati (USC).	Wiley	2011(ISBN: 978-1-118-01537-7)
2	**Book:** Copper, Cobalt And Nickel Complexes As Anticancer Drugs	Prakash Kinthada, Kalyani Paidikondala Dr. **Rambabu Gundla**	Namya Press	2021 (978-93-90445-34-9)
3	**Book:** Imidazo - pyrimidine and pyridine based derivatives	**Rambabu Gundla,** Naresh Kumar Katari, Manohar Mantipally	Lambert Academic Publising	2022 (978-620-5-51195-4)
4	**Book:** Heterocyclic Compounds: Anti-inflammatory agents	**Rambabu Gundla,** Naresh Kumar Katari, Satyanarayana Yatam	Lambert Academic Publising	(2022)978-620-4-73615-0

5	**Chapter 5:** Nitrogen and Oxygen-based Heterocycles as Potential Anti-Infective Agents	Shaik Baji Baba, Naresh Kumar Katari, **Rambabu Gundla**	Frontiers in Anti-infective Agents (Bentham Science)	10.2174/9789814998420121060007 Vol. 6, July 2021
6	**Book:** Quinazolines and binol based antidiabetic and antimalarial agents	**Rambabu Gundla** Kalyani Paidikondala Prakash Kinthada	Lambert Academic Publising	(2022) 978-620-4-75061-3
7	**Book:** N-Acyl hydrazones: Nonsteroidal Anti-Inflammatory agents (NSAIDs)	**Rambabu Gundla**, Baji Baba Shaik, Vasubabu Gorantla	Lambert Academic Publishing	2022 (978-62-04733-24-1)
8	**Book:** Imidazo-pyridine, pyrimidine and spiro undecane as New anticancer agents	**Rambabu Gundla** Kalyani Paidikondala Shaik Baji Baba	Paramount	2022 (978-93-93259-33-2

11. Currently PhD scholars - under my supervision:

S.No	Scholar Name	Title of thesis	Status
1	Mr.Anil.K	Design, synthesis and biological evaluation of Imidazo[1,2-a]pyridine fused with amino-4H-pyran derivatives as new antiproliferative agents	Thesis writing
2	Mr. Prakash.G	Discovery of 3-chloro benzyl linked 1,9-diazaspiro[5.5]undecane derivatives, a lead for the Dengue virus type 2 infection	Perusing
3	Mr. Mahesh.L	Convenient synthesis, characterizations and biological evolution of Novel 1- Phenylcyclopropane carboxamide derivatives	Perusing
4	Mr. Madhukarreddy.A	Rational approaches in design, synthesis, biological screening and computational studies in discovery of new anti-inflammatory agents	Perusing
5	Mr. Kiranreddy.P	Three component Synthesis of novel indeno[1,2-b][1,8]naphthyridin-6(11H)-one derivatives and their antimicrobial activity	Perusing
6	Mr. Manojreddy. G	New approaches of discovery of anticancer agents: Synthesis, Biological screening and Modeling studies	Perusing
7	Mr. Kishore M	New D-A-π-A-D type of Hole Transporting Materials for High Efficiency and Stable Perovskite Solar Cells	Perusing
8	Mr. Manjindhersing	Rational approaches in design, synthesis, biological screening and computational studies in discovery of new anti-inflammatory agents	Perusing

12. Recent invited talks delivered:

1. A resource person and delivered a talk on "health benefits on value added products" in the workshop on'value added products from palmyrah and coconut' Organized by ICAR-Central Plantation Crops Research Institute, Kasaragod,Kerala,India at Acharya Nagarjuna University, Guntur, Andra Pradesh **On 3 May 2022.**
2. **An invited a speaker** International Conference on Molecular Spectroscopy, ICMS-2017,9-10 December 2022 Organised by International unit on macromolecular science and engineering(IUMSE) Mahatma Gandhi university , kottayam, kerala, India
3. **An invited a speaker** for "Bioinformatics Drug Discovery and Microbial Technology" in National Conference on 22- 24 December, 2022.
4. International Conference on Drug design,7-9 april 2021. Conventioncentre, JNU, Delhi, **An invited a speaker** for "Bioinformatics Drug Discovery and Microbial Technology" in National Conference on 22- 24 December, 2022.
5. 2[1st] CRSI National Symposium in chemistry , July 14-16, 2019 , Organised by CSIR-Indian institute of chemical technology Hyderabad ,INDIA.
6. **An invited** Subject expert member of Engg ,VIGNAN INSTITUTE OF TECHNOLOGY&SCIENSE, (As ISO 9001: 2000 Certified institution) Sponsered by lavu educational society.
7. **An invited a talk on** GUESTLECTURE Santhiram engineering college, topic "Advances in chemistry and environmental science" on 16-03-2017 to the 1-B.Tech students of our college.
8. **Chairperson for** National Seminar on "Advanced Techniques in Chemical Research" by the Department of Chemistry, S.K.S.D. Mahila Kalasala UG & PG, Tanuku on 30-31 January, 2022.
9. **An invited a talk on** "Focused library generation and screening to identify novel scaffolds /hitsagainst a Target Protein" in 4th National Workshop on Drug Design and Discovery, organized by Institute of Life Sciences, Bhubaneswar on 8-11March, 2022.
10. **An invited a talk on** "The World and Recent Trends in Chemical Science" in one day national seminar at Tara Govt. College ,Sangareddy on 9[th] January, 2022.
11. **A lecture on** "Drug Design modules " in the short-term training program on Bioinformatics (Bioinfo2015) held at CIENCIA Research Communications Pvt. Ltd., Hyderabad, India on 14-16 August,2022.
12. **A speaker on** "Protein modeling and Drug design" organized by Ciencia Research Communications Pvt.Ltd., Hyderabad on 16-17 October, 2022.

13. A guest lecture on "Protein modeling and rational drug design" organized by Bapatla College of Pharmacy, Bapatla on 11-12 December, 2022.

13. **An invited a speaker** for "Bioinformatics Drug Discovery and Microbial Technology" in National Conference on 22- 24 December, 2022.
14. **An invited a speaker for** "Recent Advances in Computational Drug Design "in International Conference at J.N Tata Auditorium IISC on 16 -17 September, 2022.
15. **An invited speaker for** "Identification of Novel Non ATP – Competitive Inhibitors against Human MAP Kinase Kinase1 (MEK1) and MEK2" Cambridge Healthtech Institutes NEXT – Gen Kinase Inhibitors held at Cambridge ,MA on 4-6 June, 2022.
16. **A guest talks on** "Coordination between Industry and Universities" in S.V University, Tirupathi on 22[nd] September, 2022.
17. **A Speaker on** "Relationship (gostar) database in insilico drug designing studies" in World Congress on Biotechnology on 21-23 March 2021 at Hyderabad International Convention Centre, Hyderabad.
18. **Technical Session Talk on** "Virtual Screening of Large Database for Hit Identification Using Docking Studies" in DBT Sponsored National Workshop held at Bioinformatics Infrastructure facility at Department of Biochemistry & Biophysics, University of Kalyani on 16-18 March, 2021.
19. **Oral Presentation on** "Rational Database role on Drug Discovery, in World Congress on Biotechnology on 21-23, March 2020.
20. **A Guest Speaker on** "Chemistry in our life" in one day seminar held at Layola Academy Hyderabad on 18[th] March, 2019
21. **A Speaker on** "Protein Modeling and Drug designing", in Workshop held at Avanthi Degree and P.G College on 13[th] April, 2019.
22. **A Talk on** „Career in life Science" in Sainikapuri Bhvans College, Hyderabad on 4[th] June, 2018.

23. **An invited talk on** "Chemo informatics role in drug discovery" in the Scientific session of the International Conference on Biotechnology in Pharma and Food Industries held at GITAM University, Visakhapatnam, on 29 & 30th July, 2018.
24. **A speaker on** „Bioinformatics, Chemo informatics using drug designing" held at Bapatla Engineering College on 26th August, 2018.
26. **A Presentation on** "Bioinformatics" in Scientific Programme held at JNTU, Hyderabad on 05.11.2018.
27. ***A Guest Speaker*** *on* " Drug Preparation with Modern Techniques" held at National Conference in Aditya Institute of Pharmacy , East Godavari ,A.P. on 26th November, 2017.
28. **An Invited Speaker on** "Current and Future Perspectives in Chemistry" in One day Symposium at Department of Chemistry, Palamuru University, Mahabubnagar, Telangana on December 30th, 2016.

13. Experience In Teaching and Administrations

- Worked as a faculty for the Accelrys certified course in Biocampus for Protein Modeling and Drug Designing well versed in teaching the concepts of Molecular modeling, QSAR, and Structure-Based Drug Designing (SBDD) methods using the Cerius2 and InsightII, Schrodinger software modules (**2001-2006**).
- Involved in conducting knowledge-based seminars, workshops and short term coaching on drug discovery studies all across India from Biocampus on Protein Modeling and Drug Designing (PRD) course PG Diplomo course (**2008 – 2014**).
- Working as a faculty for UG and PG level program in GITAM University, Hyderabad, **2014 – till date**.
- Worked as HoD, DRC chairman, IRC member and academic council member for GITAM university

14. Current Research Responsibilities (Selected representative studies):

- Design, docking, Synthesis and biological screening of RdRp inhibitors to act as antiviral agents
- Docking and ADME model and Phramacophore based drug design on HDAC inhibitors
- Combine (Analogue and Structure) based design of EGFR/HER-1&2 kinase inhibitors as potential anticancer agents
- Structure and Analogue-based pharmacophore modeling of COX-2 antagonists as anti-inflammatory agents
- Docking and ADME studies on HIV-1 integrase inhibitors as potential anti-HIV/AIDS agents

15. Work Experience

- Designing of Focused libraries against a Target Protein using CADD
- Synthesis of focused libraries
- Protein-Ligand interactions, Molecular Docking
- Protein Modeling and Structure-based drug design.
- Pharmacophore model generation and virtual screening
- QSAR, 2D/3D similarity search, Cheminformatics (data mining)
- Molecular diversity analysis and combinatorial library design
- Database design and construction (GOSTAR database)
- Product development (Kinase, Protease, GPCR, Ion-channel, PCD, CCD and DD small molecules databases)
- Protein-protein interactions and pathway database development.
- Application of protein modeling in mutation, design, evolutionary trace and binding site analysis
- Conducting classes for "Protein Modeling and Rational Drug Design" for bioCampus (training division of GVK Biosciences)

16. Software Expertise

Accelrys Inc.- Discovery Studio, Insight II, Cerius2, Catalyst and GCG Sequence Analysis

Tripos Inc.- SYBYL (CoMFA, COMPOSER, SELECTOR, FLExX)

CCDC Inc.- GOLD & CSD

Schrodinger Inc.- Glide, Macromodel, Phase, Strike and Prime

eHITS Inc.- eHiTS v6.2, eHiTS LASSO, SPROUT v6.1, SPROUT LeadOpt

ADME Simulation Plus Inc.- ADMET Predictor, ADME/Toxicity filtration

Others- MOE, Dock, AutoDock

Sequence alignment tools- BLAST and ClustalW

Databases- ASINX, ChemDiv, IBS, Enamine, Derwent World Drug Index, NCI drug databse, Maybridge, MDDR, ACD Drug database, MDL ISIS, Swissprot, Genbank and PDB

Operating System- UNIX, Linux, and Windows

Scripting & Programming- C, Perl, and HTML

Database Management & Administration- RDBMS and Oracle

17. Personal Details :

- Father's Name : G.Satyanarayana
- Date of Birth : 15-06-1975
- Gender : Male
- Nationality : Indian
- Religion : Hindu
- Caste : B.C. "B"
- Address : H.No-80, Road No-6, BHEL, Hyderabad

18. References

Dr. J. A. R. P. Sarma, Ph. D. Senior Vice President and Head, Drug Discovery Group, GVK Biosciences Private Limited S-1, Phase-1, Technocrats Industrial Estate, Balanagar Hyderabad-500037, India Phone: +91-09849171801, E-mail: sarma@gvkbio.com	**Dr.Chandrasekhar.S, Ph.D** Director, CSIR-Indian Institute of Chemical Technology Hyderabad-500007, India Phone: +91-9440802787 E-mail: srivaric@iict.res.in
Prof. MugaVithal, Ph. D. Professor of Chemistry Department of Chemistry Osmania University Hyderabad- 500 007, India Phone: +91-09849973868 E-mail: muga_vithal@osmania.ac.in	**Prof. Gautam R. Desiraju, Ph.D** Solid State and Structural Chemistry Unit Indian Institute of Science Bangalore-560 012, India Phone: +91 (0)80 2293 3311 E-mail: desiraju@sscu.iisc.ernet.in