

CURRICULUM VITAE



Dr. GIRI PRASAD GORUMUCTHU M.Sc; Ph.D.

Assistant Professor,

Head Department of U.G Chemistry,

A.G & S.G. Siddhartha College of Arts and Science

Vuyyuru, Krishna (Dt),

Andhra Pradesh - 522403

pandu4552@gmail.com

Mobile No: 7306338916, 6303205427

Present Status

- Working as a Assistant Professor (Head) in the Department of Chemistry, AG & SGS Degree of Arts and Science, Vuyyuru, Krishna (Dt), Andhra Pradesh, India.

Career Objective

- A position in a result-oriented Organization that seeks an ambitious and career-conscious person where acquired education, skills, and experience will be utilized towards continued growth and advancement.

Educational Qualifications

Course	Institute	University/Board	Period of Study	% of marks	Division
Ph.D	Department of Chemistry A.N.U Campus	Acharya Nagarjuna University	2014-2019	-----	First
M.Sc. (Organic Chemistry)	Sir C.R.R. College, Eluru	Andhra University	2007-2009	74.8%	First
B.Sc (M.P.C.)	V.S.R.Govt. Degree & P.G. College, Movva	Acharya Nagarjuna University	2004-2007	64.7%	First
Intermediate	K.G.J. College, Movva	B.I.E., A.P	2002-2004	74.7%	First
S.S.C.	A.P.R.School, Nimmakuru	B.S.E, A.P	2002	72.8%	First

Extra Qualification:

- **GATE-2015**
- **APSET-2012**
- **NPTEL-March 2024**

Research Awards/Rewards/Memberships

- Elected as **Research Associate Fellow in AP Akademi of Sciences-2020** (APAS) Amaravathi, A.P.
- Membership on **Association of Pharmaceutical Teachers** of India (APTI) (ID is AP/LM-1230, dated - 05/Feb/2024).

Computer Knowledge:

Diploma in Computer Applications (DCA) Conducted by “UR CHOICE COMPUTER EDUCATION”.

Teaching Experience: Total Teaching Experience 12 years 3 months

- Worked as **Guest Lecturer** in Chemistry at VSR Govt Degree College, Movva, Krishna District from July 2009 to July 2012.
- Worked as a **Adhoc Lecturer** in Department of P.G. Chemistry at AG & SG Siddhartha Degree and P.G. College, Vuyyuru, Krishna District from August 2012 to January 2017.
- Worked as a **Lecturer** in Department of Degree & P.G. Chemistry at SBG Degree & P.G. College, Sattenapalli, Guntur, Andhra Pradesh, India from February 2017 to February 2021.
- Working as a **Assistant Professor** in Department of Chemistry at AG & SG Siddhartha Degree College of arts and science, Vuyyuru, Krishna District from 04-09-2021 to till date.

Subject Taught:

P.G.

1. Inorganic chemistry (first and second semester).
2. Physical chemistry (first and second semester).
3. Organic chemistry (first and second semester).

4. Organic reactions and mechanisms and green chemistry (third and fourth semester).

Degree.

5. 1st B.Sc
6. 2nd B.Sc
7. 3rd B.Sc (Paper-3)

Guest lecturers:

- Dr G. Giri Prasad delivered as guest lecturer on “*Thermodynamics-I*” for first M.Sc. students in S.B.G college Sattenapalli on 03-07-2022.
- Dr G. Giri Prasad delivered as a guest lecturer on “*Chemical kinetics*” for first M.Sc. students in S.B.G college Sattenapalli on 02-07-2022.
- Dr G. Giri Prasad delivered as a guest lecturer on “*Electro Chemistry-I*” for first M.Sc. students in S.B.G college Sattenapalli on 29-06-2022.
- Dr G. Giri Prasad delivered as a guest lecturer on “*Vibrational and Rotational Spectroscopy*” for first M.Sc. students in A.N.R college Gudivada on 28-06-2022.
- Dr G. Giri Prasad delivered as a guest lecturer on “*Surface Phenomena and phase*” for first M.Sc. students in S.B.G college Sattenapalli on 19-06-2022.
- Dr G. Giri Prasad delivered as a guest lecturer on “*Treatment of Analytical Data*” for first M.Sc. students in A.N.R college Gudivada on 18-06-2022.
- Dr G. Giri Prasad delivered as a guest lecturer on “*Surface active agents*” for first M.Sc. students in S.B.G college Sattenapalli on 12-06-2022.
- Dr G. Giri Prasad delivered as a guest lecturer on “*Group theory and its applications in spectroscopy*” for first M.Sc. students in TJPS college Guntur on 30-04-2022.

Resource Person:

- Dr G. Giri Prasad has acted as resource person for “1st and 2nd criteria of *NACC*” at Krishna University Campus College on 14-02-2024.

Ph.D. Thesis Title:

- Spectrophotometric Determination of Selected Pharmaceutical Drugs and Simultaneous Quantification of Each Drug Along with Related Potential Impurities by Liquid Chromatography.

Research Interest Areas:

- Method Development and Validation of pharmaceutical drugs, their impurities, and combinations by using HPLC, LCMS, UPLC, and Spectrophotometry.
- Environmental problems related to water and soil
- Reaction Mechanisms, Stability studies of bulk drugs.
- Synthesis of heterocyclic chalcones, and flavones, and study of biological activities such as anticancer, antioxidant, and antimicrobial activities.
- Synthesis and characterization of Nanoparticles.

RESEARCH PUBLICATIONS

Patents Published:

1. High-Efficiency Electrolysis System for Green Hydrogen Production Using Sustainable Catalysts. Title: Indian Patent Publication. 01-09-2023.

Books & Book Chapters:

1. S. N. Murthy Boddapati, Jaganmohana Rao Saketi, A. Emmanuel Kola **Dr. Giri Prasad Gorumutchu**. Preparation of Novel Dihydrophthalazinyl Phenylamide Derivatives and their Anti-Microbial Evaluation. Book Chapter published in Recent Developments in Chemistry and Biochemistry Research (Volume-3) with Print ISBN: 978-81-973053-4-4, eBook ISBN: 978-81-973053-6-8 and page no 105-117.
2. Dr. Chandra Mohan Kurmarayuni, P. Krishna Kumari **Dr. Giri Prasad Gorumutchu** and Dr. J. Venkateswara Rao A Comprehensive Study on Synthesis of Silver Nanoparticles. Book Chapter accepted in Futuristic Trends in Chemical, Material Sciences & Nano Technology (Volume-3) with ISBN 978-93-5747-683-6 and page number 227-240.
3. **Dr. Giri Prasad Gorumutchu**, Dr. Chandra Mohan Kurmarayuni, Dr. Sreeram. V, Dr. Ravi Kumar Gollapudi, Dr. Sumalatha Poodari. To Determine the Frequencies and Wavelengths of *C. Diurnum* Leaves by Using Molecular Spectroscopic Analysis. Book Chapter published

in Advances in Chemical Sciences (Volume-4). Integrated Publications with Print ISBN 978-93-93502-14-8 and page number 73-91, 2022.

4. **Dr. Giri Prasad Gorumutchu**, Dr. Chandra Mohan Kurmarayuni. Synthesis and Characterization of Lablab Purpureus Dried Leave Extracts. Book Chapter published in Futuristic Trends in Chemical, Material Sciences & Nanotechnology (Volume-2, Book number 12) with Print ISBN 978-93-95632-66-9 and 279-292, 2022.
5. **Giri Prasad Gorumutchu**, Venkata Nadh Ratnakaram, and Balamurali K, Determination of Riociguat using Ninhydrin as a Chromogen, Chapter -13, Recent Trends in Physics, Chemistry and Allied Sciences (ISBN: 978-93-86435-86-6), pp: 64-74, 2019, International Multidisciplinary Research Foundation, Vijayawada.

Scopus Indexed Journals:

1. Kamala Karuna Moparthy, Venkata Nadh Ratnakaram, **Giri Prasad Gorumutchu**. Development and Validation of a New HPLC Method for the Estimation of Sulfamoxole in Bulk and Tablet Formulations. Research Journal of Pharmacy and Technology. 2023; 16(12):5617-3. doi: 10.52711/0974-360X.2023.00908. (**SCOPUS Indexed**, ISSN: 0974-360X (Online), 0974-3618 (print)).
2. Kishore VNV, **G.V.Ramana**, R. Venkata Nadh and **Giri Prasad Gorumutchu**. Simultaneous quantification of tiagabine and its related substance by a stability indicating RP-HPLC method. Rasayan journal of chemistry. (**SCOPUS Indexed**, ISSN: 0974-1496, 14(3), (2021); 2236-2245), DOI: org/10.31788/RJC.2021.1446412.
3. **Giri Prasad Gorumutchu** and Venkata Nadh Ratnakaram, Determination of Mianserine using Tropaeoline-OOO by Ion Pair Formation, International Journal of Applied Pharmaceutics, (**SCOPUS Indexed**, ISSN: 0975-7058, 11(1) (2019) 168-173, DOI: 10.22159/ijap.2019v11i1.30125).
4. **Giri Prasad Gorumutchu** and Venkata Nadh Ratnakaram, Extractive spectrophotometric determination of ulipristal acetate using naphthol blue-black, Research Journal of Pharmacy and Technology (**SCOPUS Indexed**, ISSN: 0974-360X (Online), 0974-3618 (print)), 12(3) (2019) 1347-1352, DOI: 10.5958/0974-360X.2019.00226.9.
5. **Giri Prasad Gorumutchu**, Venkata Nadh Ratnakaram, Kishore VNV, Ulipristal acetate determination using MBTH, International Journal of Research in Pharmaceutical Sciences

- (ISSN: 0975-7538, **SCOPUS Indexed**), 10(4) (2019) 3369-3375, DOI: <https://doi.org/10.26452/ijrps.v10i4.1646>. (21-10).
6. **Giri Prasad Gorumutchu** and Venkata Nadh Ratnakaram, Determination of Mianserine using Fe³⁺-phenanthroline by visible Spectrophotometry, Research Journal of Pharmacy and Technology (**SCOPUS Indexed**, ISSN: 0974-360X (Online), 0974-3618 (print)), 12(1),(2019) 209-212. DOI: 10.5958/0974-360X.2019.00038.6.
 7. **Giri Prasad G**, Venkata Nadh R and Kiran Kumar K, Ion-associative complex formation for estimation of piperacillin, International Journal of Research in Pharmaceutical Sciences (**SCOPUS Indexed**, ISSN: 0975-7538 online), 10(1) (2019) 117-124, DOI: 10.26452/ijrps.v10i1.1787.
 8. **Giri Prasad Gorumutchu** and Venkata Nadh Ratnakaram, Diazocoupling for Determination of Selexipag by Visible Spectrophotometry. International Journal of Green Pharmacy (**SCOPUS Indexed**, ISSN: 1998-4103(online), 0973-8258 (Print)), 12(4) Suppl (2018) S822-S828, DOI: [org/10.22377/ijgp.v12i04.2261](https://doi.org/10.22377/ijgp.v12i04.2261).
 9. **Giri Prasad Gorumutchu**, Venkata Nadh Ratnakaram, and Sireesha Malladi Ion Pair Formation for Determination of Mianserine using Fast Sulphon Black F. Asian Journal of Pharmaceutics (**SCOPUS Indexed**, ISSN: 1998-409X (Online), 0973-8398 (Print)), 12 (4) (Suppl) (2018) S1390- S1396, DOI: 10.22377/ajp.v12i04.2940.

Web of Sciences Journals:

1. V. N. V. Kishore, **Giri Prasad Gorumutchu**, K. Balamurali Krishna, and G. V. Ramana. Development of bio-analytical method of lasmiditan in spiked human plasma samples by liquid chromatography and mass spectroscopy. Eur. Chem. Bull. (ISSN: Print: 2063-5346), 2023, 12(5), 664-689.
2. Sreeram V, V D N Kumar Abbaraju, **Giriprasad Gorumutchu**, Kishore. V.N.V., Avinash Rai Kola. Physical growth of Natural Soils Contamination and their metamorphosis of Mineralogical soils in vermiculite. Journal of Pharmaceutical Negative Results. (ISSN: Print -0976-9234, Online - 2229-7723], 13(6), (2022), 1287-1293. DOI: 10.47750/pnr.2022.13.S06.168.
3. **Dr Gorumutchu Giri Prasad**, Dr Kurmarayuni Chandra Mohan, Dr K Swarnalatha and V. N. V. Kishore. FT-IR and UV-Visible Spectral Analysis of Adhatoda vasica Leaves

in Various Solvent Extracts. High Technology Letters. (**SCOPUS Indexed**, ISSN: 1006-6748, 28(6), (2022): 815-831). <https://doi.org/10.37896/HTL28.06/5964>.

4. **Gorumutchu Giri Prasad**, K. Chandra Mohan and K. Ramesh. A Mini-Review on Spectral (UV Visible, FT-IR, ¹H NMR, GC-MS) Analysis of Various Shaded Dried Leaves Extracts. Journal of Modern Chemistry & Chemical Technology. 2022; 13(1): 1–8. ISSN: 2229-6999 (Online), ISSN: 2321-5208 (Print). DOI (Journal): 10.37591/JoMCCT.
5. **Giri Prasad Gorumutchu**, Venkata Nadh Ratnakaram, and Sireesha Malladi, Ninhydrin based Visible Spectrophotometric Determination of Gemigliptin, Oriental Journal of Chemistry (**ESCI Indexed**), ISSN: 0970 – 020X (Print), 2231-5039 (online)), 35(1) (2019) 363-369, DOI: [org/10.13005/ojc/350145](https://doi.org/10.13005/ojc/350145).
6. **Giri Prasad Gorumutchu**, Venkata Nadh Ratnakaram, and Kiran Kumar Katari, Piperacillin Estimation By Ion-Associative Complex Formation, Asian J Pharm Clin Res (**ESCI Indexed**, ISSN: 2455-3891 (Online), 0974-2441 (Print), 12(3) (2019) 1-5, DOI: 10.22159/ajpcr.2019.v12i3.29289.
7. **Giri Prasad Gorumutchu**, Venkata Nadh Ratnakaram, and Sireesha Malladi, Determination of Riociguat by Oxidative Coupling using Visible Spectrophotometry, Oriental Journal of Chemistry (**ESCI Indexed**, ISSN: 0970 – 020X (Print), 2231-5039 (online)), 35(Special Issue-1) (2019) 48-53, DOI: [org/10.13005/ojc/35Specialissue107](https://doi.org/10.13005/ojc/35Specialissue107).
8. **Giri Prasad Gorumutchu**, Venkata Nadh Ratnakaram, and Kishore VNV, Visible Spectrophotometric Determination of Gemigliptin using Charge Transfer Complex, Oriental Journal of Chemistry (**ESCI Indexed**, ISSN: 0970 – 020X (Print), 2231-5039 (online)), 35(Special Issue) (2019) 694-699, DOI: 10.13005/ojc/350226.
9. **Giri Prasad Gorumutchu** and Venkata Nadh Ratnakaram, Oxidative Coupling: A Tranquil Approach for Determination of Selexipag by Visible Spectrophotometry, Oriental Journal of Chemistry (**ESCI Indexed**, ISSN: 0970 – 020X (Print), 2231-5039 (online)), 34(6) (2018) 3112- 3117. DOI: 10.13005/ojc/340656.
10. K. Kiran Kumar, R.Venkata Nadh , M. Siva Kishore and **G. Giri Prasad**, Determination of Satranidazole through Ion-Associative Complex Reaction, Asian Journal of Organic & Medicinal Chemistry. 2019, 4(3) DOI: <https://doi.org/10.14233/ajomc.2019.AJOMC-P166>

Papers presented at conferences:

1. "Molecular Spectroscopic (FTIR & UV-Visible) Analysis of A.Vasica leaves in Various Solvent Extracts" presented at National Seminar on "Green Technologies for Sustainable Environment" held at Department of chemistry, *Andhra Loyola College (A) Vijayawada*, on 22nd to 24th, March 2022.
2. "Malnutrition Problems in Children and its impacts" presented at National Seminar on "A one-Day National Seminar on the Problems of Malnutrition in India and Future Prospects" held at Department of chemistry, *Government Degree College Chinthalapudi*, on 26th February 2022.
3. "Ulipristal Acetate and its Impurities Estimation by RP-HPLC Method" presented at UGC-sponsored International Conference on "Advances in Chemistry and its Related Sciences (ACAS-2021)" held at Department of chemistry, *Acharya Nagarjuna University, Nagarjuna Nagar Guntur* on 17th to 18th, March 2021.
4. "Liquid Chromatographic Estimation of Selexipag" presented at UGC-sponsored National Conference on "Synergetic Research Developments in Chemical, Biological and Environmental Sciences" held at Department of chemistry, *GITAM-Bengaluru Campus* in collaboration with "Association of Chemistry Teachers" on 12th March 2020.
5. "Liquid Chromatographic Estimation of Gemigliptin" presented at UGC sponsored International Conference on "Recent Advances in Chemical, Pharmaceutical and Biological Sciences" held at Department of chemistry, *Acharya Nagarjuna University, Nagarjuna Nagar Guntur* on 5th to 7th, March 2020.
6. "Determination of Riociguat using Ninhydrin as a Chromogen", presented at (IMRF) International Multidisciplinary Research Foundation Sponsored Two Days International Forum on "Recent Trends in Physics, Chemistry and Allied Sciences for Sustainable Development 2019." Held at *Ch. S. D. St. Theresa's College, Eluru* on September 27 – 28.
7. "HPLC Method for the Estimation of Mianserin", presented at UGC Sponsored One day International Seminar on "Recent Developments and Applications of Physico-Chemical Characterization Techniques" held at *J.K.C.College, Guntur* on 04-01-2019.
8. "*Piperacillin* Estimation by Ion-Associative Complex Formation", presented at UGC-sponsored national symposium on "Emerging Trends in Organic Chemistry" (NSETOC-2018) held at *KBN College, Vijayawada* on 28-29th Sept' 18.

9. Determination of Mianserine using Fe^{3+} -phenanthroline by visible Spectrophotometry. International Conference on “chemistry of sustainable future” organized by the department of integrated chemistry, *Palmer University* during 7-9 AUG 2018
10. “Piperacillin Estimation by RP-HPLC Method”, presented at One Day National Seminar on “Recent Advances in Medicinal Chemistry” held at *JKC College, Guntur* on 21st February 2018.
11. “Spectroscopic Method for Estimation of Selexipag” presented at UGC sponsored International Conference on “Materials for Energy and Environmental Protection” held at *Sir C.R.Reddy College, Eluru* on 12th and 13th February 2018.
12. “Nitrogen Donors in Organometallic Chemistry & Homogeneous Catalysis” presented at UGC-sponsored International Conference on “Advances in chemical science (NSACS-2015)” held at *KBN College, Vijayawada* on 18th and 19th September 2015.

Conferences attended:

1. Participated in a *National Level Faculty Development Programme (FDP) on National Education Policy – 2020 (NEP) An Overview*, Sri Durga Malleswara Siddhartha Mahila Kalasala-Vijayawada on 27th August 2022.

Workshops attended:

1. Participated in *One Day Workshops on “NIRF Rankings-2024”* Organized by Andhra Pradesh State Council of Higher Education at JKC Guntur on 30-11-2023.
2. Participated in *Three Days Workshops on Microscale Experiments (offline)*, Department of chemistry, Krishna University Machilipatnam, during 4-6 August 2022.
3. Participated in *one week GAIN course* on synthesis, characterization, processing, and applications of nanomaterials organized by metallurgical and materials engineering, **NIT WARANGAL**, during 7-11 March 2016.
4. Participated in a two-day National *level workshop in Instrumentation* organized by the A.G & S.G. Siddhartha College Vuyyuru, during 8-9 October 2010.

Webinars Attended:

1. Participated in the One Day National webinar on “Greener Living: Sustainable Energy” organized by the Department of Chemistry, Parvathaneni Brahmayya Siddhartha College of Arts & Science, Vijayawada on 19/11/2022.
2. Participated in the three-day faculty Development Programme on “Recent Advances in Chemical Research” organized by the Department of Chemistry, PARVATHANENI BRAHMAYYA SIDDHARTHA COLLEGE OF ARTS & SCIENCE, Vijayawada from 22/09/2022 to 24/09/2022.
3. Participated in the one-week faculty Development Programme on “The Framework for Improving the Quality of Scientific Research in Universities” organized by the Department of Biosciences and Biotechnology, Krishna University Machilipatnam from 22-08-2022 to 27-08-2022.
4. Participated in the one-day E-Conference on “Principles of Organic Spectroscopy and its Applications” Organized by the Department of Chemistry A. G & S.G Siddhartha Degree College of Arts and Science, Vuyyuru in Association with IQAC held on 12 -02-2022.
5. Participated in the Seven days online workshops on “THE 7 ASSESSMENT CRITERIA FOR NACC ACCREDITATION” organized by the S.K.B.R Govt Degree College Macherla from 21-01-2022 to 28-01-2022.
6. Participated in International Workshop on “Environmental sustainability” organized by the Department of chemistry Govt Degree College Srikakulam in association with Suraksha, the USA on 28-01-2022.
7. Participated in UGC Sponsored (under Paramarsh Scheme) International e-Conference entitled “Two-Day Virtual Workshop on Outcome Based Education” organized by the IQAC-GITAM-Bengaluru Campus from 25th to 26th March 2021.
8. Participated in an International e-Conference entitled “Principals of organic spectroscopy and its applications” organized by the Department of chemistry A.G.&S.G. S College Vuyyuru on 12-02-2022.
9. Participated in an International e-Conference entitled “Advances in Science and Technology for Betterment of Health, Environment, and Energy” organized by the GITAM-Bengaluru Campus from 1st to 3rd December 2020.

DECLARATION

I hereby declare that the above-written particulars are true to the best of my knowledge and belief.

Place:

Date:

(Dr. G. Giri Prasad)

Signature of Candidate