

**DR. ARASAVELLI ANANDA MOHAN**

**M.Sc., Ph.D**

Assistant Professor

Dr.B.R.Ambedkar University-Srikakulam

Etcherla, Pin: 532 410; Andhra Pradesh, INDIA

Dept. of **ORGANIC CHEMISTRY**

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**Professional Objective:**

To prove myself dedicated, worth full and energetic as a teacher in chemistry in progressive institution that gives me scope to apply my knowledge, and skills and be a member of a team that dynamically works towards success and growth of the institution.

**Research Interest:**

Design and synthesis of biologically active molecules and explore their efficacy as drugs.

**Educational Qualifications:**

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**Ph.D: Organic Synthesis** **2018**

Jawaharlal Nehru Technological University-Kakinada (JNTUK)

**Thesis Title:** *Synthesis, Characterization and Biological Evaluation of New Substituted Thiophene chalcones, Thiophene carboxylic acids, Purine nucleosides and Indazole derivatives.*

**Master of Science: Organic Chemistry** **2006**

Andhra University, Visakhapatnam

**Bachelor of Science: Mathematics, Physics, Chemistry** **2002**

Andhra University, Visakhapatnam

**Teaching Experience: 13 Years and 4 Months**

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**Lecturer in Chemistry** for M.Sc Organic Chemistry **1/7/2006 to 24/7/2007**

Gayatri P.G Colleg, Gayatri College of Science and Management, Srikakulam, AP

**Assistant Professor of Organic Chemistry** **25/7/2007 to Till Date**

College of Science, Dr.B.R.Ambedkar University, Srikakulam, Etcherla, 532410, AP

**Papers Taught:- Theory: Organic Synthesis:** Synthetic Methods for Formation of C-C and C=C bonds, Hydroboration, Multi Component Reactions (MCRs), Oxidation, Reduction, Organo Silanes, Polymers, Asymmetric Synthesis, Retrosynthesis, Organic Synthetic Transformations. **Organic Reaction Mechanism:** Nucleophilic and Electrophilic Substitution at aliphatic and aromatic carbons, Elimination Reactions, Addition Reactions, Pericyclic Reactions, Photo Chemistry, Heterocyclic Compounds, Chemistry of Natural Products. **Organic Spectroscopy:** UV, IR, NMR, <sup>1</sup>H-NMR. **Lab:** Conducting practicals for M.Sc Organic Chemistry students.

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### **Administrative Experience:**

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- Experienced as a Course Coordinator for M.Sc (Organic Chemistry) programme from 26<sup>th</sup> September, 2017 to 25<sup>th</sup> September, 2018.
- Acting as course coordinator for department of chemistry, College of Science, DrBRAU SKLM from 1<sup>st</sup> November, 2020 to 31<sup>st</sup> October, 2021.

### **Professional Experience:**

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- Developed budgets for maintaining chemistry department.
- Assisted in curriculum developmental activities.
- Developed and revised course materials.
- Monitored student progress and provided feedback for improvements.
- Assisted in student registration, advisement and placement activities.
- Provided support in department planning activities.
- Maintained daily lesson plans.
- Facilitated class discussions to provide quality learning experiences.
- Maintained student attendance and progress records.
- Ensured that students followed college rules.
- Conducted chemical experiments in laboratory.

### **Examinations:**

Paper Valuation (Theory) - M.Sc Organic Chemistry	Dr.B.R.Ambedkar University-Srikakulam, Andhra University, Visakhapatnam.
Practical Examiner - P.G Semester End Practicals	Dr.B.R.Ambedkar University-Srikakulam Andhra University, Visakhapatnam.
Squad Member - U.G Examinations.	Dr.B.R.Ambedkar University - Srikakulam

### **List of Publications:**

1. **Ananda Mohan Arasavelli**, Ganapavarapu Veera Raghava Sharma and Siddaiah Vidavalur, Design, synthesis, and anticancer activity of novel aryl/heteroaryl chalcone derivatives. **Heterocyclic Communications**. 2016; 22(1): 1–5, DOI: 10.1515/hc-2015-0271
2. **Ananda Mohan Arasavelli**, Ganapavarapu Sharma Veera Raghava and Siddaiah Vidavalur. Design and synthesis of 4,5-diaryl/heteroarylthiophene-2-carboxylic acid derivatives and evaluation of their biological activities. **Heterocyclic Communications**. 2017; 23(1): 9–14. DOI: 10.1515/hc-2016-0131
3. **Ananda Mohan Arasavelli**, Ganapavarapu Sharma Veera Raghava and Siddaiah Vidavalur. Synthesis, characterization and biological evaluation of C5'-N-cyclopropylcarboxamido-C6-amino-C2-alkynylated purine nucleoside analogues.

- Nucleosides, Nucleotides and Nucleic Acids.** 2017, VOL 36, NO 10, 637-651; DOI: 10.1080/15257770.2017.1375117
- Ananda Mohan Arasavelli**, Ganapavarapu Sharma Veera Raghava and Siddaiah Vidavalur. Synthesis of 3-aryl/heteroaryl-1-methyl-1*H*-indazoles and evaluation of their biological activities. **Indian Journal of Heterocyclic Chemistry**, 2018, Vol. 28, Number - 2 (Apr – Jun) 287-294.
  - Ananda Mohan Arasavelli**, Dodda Suresh, Satyaveni Ankamreddi. Elimination of Cd(II) from wastewaters using Nickel (II) tungstate (NiWO<sub>4</sub>) nanoparticles as adsorbents: adsorption isotherm study. **Research Journal of Chemistry and Environment.** ( **Manuscript Accepted on 27<sup>th</sup> December, 2021**)

#### Patents: 1

<b>Title</b>	Environment-Friendly Very Low Cost Indian Brick
<b>Application Number</b>	2020103844
<b>Category</b>	IP, Australia Government
<b>Granted on</b>	27 <sup>th</sup> January, 2021

#### Reviewer:

- Reviewer, Journal of **Nucleosides, Nucleotides and Nucleic Acids**, Published by Taylor and Francis Group, USA.
- Reviewer, **Indian Journal of Heterocyclic Chemistry**, Connect Journals, India.

#### Professional Training:

- Attended a two-week course work on “**Research Methodologies**” during 1<sup>st</sup>-15<sup>th</sup> May, 2014 at Jawaharlal Nehru Technological University (JNTUK), Kakinada, Andhra Pradesh, India.
- Attended a two-week course work on “**Intellectual Property Rights and Patents**” during 16<sup>th</sup>-30<sup>th</sup> May, 2014 at Jawaharlal Nehru Technological University (JNTUK), Kakinada, Andhra Pradesh, India.

#### Faculty Development Programmes:

- Participated in a 7-Day Faculty Development Programme (FDP) on “**Rural Community Engagement**” held from 21-1-2019 to 27-1-2019 organized by Mahatma Gandhi National Council of Rural Education (MGNCRE), Hyderabad, Government of India in collaboration with Dr. B. R. Ambedkar University, Srikakulam.
- Participated in a Two-Week Faculty Development Programme on “**Life Skills Education to Protect Intellectual Property and Leverage Ethical Behaviour**”

organised by the department of basic science and humanities, Aditya Institute of Technology and Management, Tekkali held from 10<sup>th</sup> to 23<sup>rd</sup> July, 2019.

3. Participated in A Unique 14 Days FDP for Science, Engineering and Arts Faculty on “**Role of Academia in Sustainable Development**” organized by Dr. B. R. Ambedkar University, Srikakulam from 25-06-2020 to 08-07-2020.
4. Completed 21 Days Faculty Development Programme (FDP) on “**Adapting Online Teaching Learning Technologies**” from 16 November, 2020 to 07 December, 2020 Organized by Dr B R Ambedkar University, DELHI and Dr B R Ambedkar University, Srikakulam, AP, India
5. Participated in the One-Week Online Faculty Development Program on “**Nanomaterials-Technologies for Energy & Sensor Applications**”, (7<sup>th</sup>-11<sup>th</sup> June, 2021) organized by Chemistry Division, Department of Basic Sciences & Humanities, GMR Institute of Technology, Rajam, Andhra Pradesh, India.

#### **Refresher Courses Completed:**

1. Completed an “**Online Refresher Course in Chemistry for Higher Education Faculty**” with A-grade under Annual Refresher Programme in Teaching (ARPIT 2019) through SWAYAM, MHRD, Government of India.

#### **Training Programmes Completed:**

1. Completed CSIR **Summer Research Training Programme (CSIR SRTP) 2020** online during June to August, 2020 coordinated by CSIR-NEIST, Jorhat, Assam, India.
2. Participated in one week AICTE sponsored Short Term Training programme on “**Nanotechnology and Functional Materials (NTFM)**” held from 27-07-2020 to 01-08-2020, through online mode, organized by Department of Mechanical Engineering, S V College of Engineering, Tirupathi, Andhra Pradesh, 517507.

#### **Awards Received:**

1. Received Best Employee Award from Dr.B.R.Ambedkar Univeristy, Srikakulam, A.P. in 2019.

#### **Memberships:**

1. **Associate member** of Board of Studies (BoS) for M.Sc., Organic Chemistry & M.Sc., Analytical Chemistry Programmes, Department of Organic Chemistry, Dr. B.R. Ambedkar University-Srikakulam.
2. **Member** to monitor Field Work/ Rural Touch/ Community Development Programmes in the jurisdiction of the Dr. B.R. Ambedkar University, Srikakulam.
3. **Member** “Out-reach and Extension Activities Committee” of the Dr. B. R. Ambedkar University, Srikakulam.

4. Anti Ragging Committee Member to the Dr.B.R.Ambedkar University, Srikakulam.

**Participated/Organized/Presented in Seminars/Conferences/Webinar/Workshops:**

1. Participated in the National Seminar on “**Modern Trends in Organic Chemistry (MTCE-2006)**” organized by department of chemistry, GITAM University, Visakhapatnam during 21<sup>st</sup> - 22<sup>nd</sup> December, 2006.
2. Presented poster in National Workshop on “**Radiochemistry and Applications of Radio Isotopes**” organized by IANCAS, Kalpakam, TN and Govt. Degree & P.G College (Men), Srikakulam at Govt. Degree & P.G College (Men), Srikakulam on 8<sup>th</sup> December, 2008.
3. Participated in Regional Workshop on “**Practical Physical Chemistry**” at Govt. Degree & P.G College (Men), Srikakulam organized by department of chemistry, Govt. Degree & P.G College (Men), Srikakulam during 8<sup>th</sup> - 9<sup>th</sup> September, 2009.
4. Participated in National Workshop on “**Craft Education Enrichment of Naitalim**” organized by department of Rural Development, Andhra University, Etcherla during 13<sup>th</sup>-15<sup>th</sup> March, 2009.
5. Participated in One-Day Work Shop on “**Current Trends in Drug Development**” organized by departments of Bio-Technology and Organic Chemistry of Dr. B. R. Ambedkar University-Srikakulam on 31<sup>st</sup> March, 2012.
6. Participated in Two-Day Work Shop on “**Stepping into Advanced Flow Reactors**” organized by Centre for Chemical Sciences and Technology, IST, JNTU Hyderabad, TS during 25<sup>th</sup> - 26<sup>th</sup> February, 2015.
7. Participated in Two-Day National Work Shop on “**Technological Advances in Chemical Sciences**” organized by Centre for Chemical Sciences and Technology, IST, JNTU Hyderabad, TS during 14<sup>th</sup> - 15<sup>th</sup> September, 2015.
8. **Organizing Member** of the **Third Annual International Conference and Industry** organized by Coastal Chemical Research Society (CCRS) & Dr. B.R. Ambedkar University at Dr. B. R. Ambedkar University - Srikakulam during 16<sup>th</sup> - 17<sup>th</sup> December, 2015.
9. **Presented a poster** at International Conference and Workshop on “**Structure Based Drug Designing & Application to Infectious Diseases**” organized by University of Hyderabad & IITH, Hyderabad during 1<sup>st</sup> - 5<sup>th</sup> February, 2016.
10. **Presented a paper** at Two-Day National Seminar on “**Recent Biotechnological Approaches in Biopharmaceuticals and Health Care**” organized by department of Biotechnology, Dr.B.R. Ambedkar University, Srikakulam during 16<sup>th</sup>-17<sup>th</sup> March, 2016.
11. **Organizing Secretary** of One-Day National Seminar on “**Recent Advances in Chemical Sciences**” (RACS 2017) organized by department of Organic Chemistry at Dr. B. R. Ambedkar University- Srikakulam on 26<sup>th</sup> October, 2017.

12. **Presented a paper** and acted as **Organizing Secretary** of International Work Shop on “**Water, Air, Sanitation and Hygiene (WASH 2018)**” organized by departments of Biotechnology, Organic Chemistry and Social Work of Dr. B. R. Ambedkar University- Srikakulam, Andhra Pradesh, India on 27<sup>th</sup> January, 2018.
13. Participated in One-Day National Seminar on “**Rural Development in India: Issues and Challenges with Special Reference to Andhra Pradesh**” on 30<sup>th</sup> April, 2018 at Dr.B.R.Ambedkar University-Srikakulam.
14. **Presented a paper** and worked as **Organizing Member** of International Conference on “**Water, Sanitation and Hygiene (WASH2019)**” organized by departments of Biotechnology, Organic Chemistry and Social Work of Dr. B. R. Ambedkar University- Srikakulam, AP, India on 23<sup>rd</sup>-24<sup>th</sup>, February 2019.
15. **Organizing Secretary** of One-Day International Workshop on “**New Frontiers in Biotechnology and Chemistry (NFBC-2019)**” organized by department of Biotechnology and Organic Chemistry at Dr. B. R. Ambedkar University-Srikakulam on 7<sup>th</sup> August, 2019.
16. **Organizing Secretary** of One-Day National Workshop on “**Analytical Instruments for Chemists and Biotechnologists**” organized by department of Chemistry at Dr. B. R. Ambedkar University- Srikakulam on 21<sup>st</sup> October, 2019.
17. Participated in Two-Day International Webinar on “**Emerging Trends in Chemistry with Emphasis on Research Guidance**” from 13<sup>th</sup>-14<sup>th</sup> June, 2020 Organized by Govt. College for Women (A), Guntur, Andhra Pradesh, India.
18. Participated in One Day National Level Webinar on “**Covid 19 Pandemic, A Battle We Have to Win**” on 16<sup>th</sup> June, 2020 Organized by Narajole Raj College, Medinipur, West Bengal, India.
19. Attended a “**Virtual Symposium on Teaching AP (Advanced Placement) Chemistry**” on 14<sup>th</sup> July, 2020 provided by American Association of Chemistry Teachers (AACT), USA
20. Participated in a two-day Webinar on “**Chemistry and Biology of Natural Products**” held during July 24-25, 2020 at CSIR-NEIST, Jorhat, Assam, India.

#### References:

1. Prof. G.V.R. SHARMA, HoD, Dept of Chemistry, GITAM University, Visakhapatnam. Mobile No: **9642575394**; Email ID: [sharmagvr@yahoo.co.uk](mailto:sharmagvr@yahoo.co.uk); [gvr276@gmail.com](mailto:gvr276@gmail.com)
2. Dr. V. SIDDAIAH, HoD, Dept of Organic Chemistry and FDW, Andhra University, Visakhapatnam. Mobile No: **9440754164**; Email ID: [sidduchem@gmail.com](mailto:sidduchem@gmail.com)
3. Dr. UDAY BHASKAR SAJJA, Assistant Principal, College of Science, Dr. B. R. Ambedkar University – Srikakulam. Mobile No: **9652457373**; [udaybsajja@gmail.com](mailto:udaybsajja@gmail.com)