



**Dr. SATEESH KUMAR BEEPALA**

Lecturer incharge

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Srikakulam

A.P

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**Educational Qualification:**

- ✓ **Ph.D** Degree in Chemistry from Osmania University, Hyderabad, India.  
Topic: “**Studies on supported Ruthenium and Copper catalysts for Organic transformations**”
- ✓ **Master in Science (Organic Chemistry)**, 2007, 72.1% (**Distinction**) from **Andhra University**, Visakhapatnam.
- ✓ **Bachelor of Science (MPC)**, 2005, 76%, from **Andhra University**, Visakhapatnam.
- ✓ **Intermediate (MPC)**, 2002, 82%, from **Intermediate Board**, Andhra Pradesh.
- ✓ **SSC**, 2000, 76.3%, APR School, Simhachalam, **S.S.C Board**, Andhra Pradesh.

**Books Published: 05**

1. **Environmental Chemistry** (English Version) for III B.Sc Semester V & VI students.  
ISBN No: 978-935626-94-3
2. **Environmental Chemistry** (Telugu Version) for III B.Sc Semester V & VI students  
ISBN No: 978-935627-188-3
3. **Synthetic Organic Chemistry** for III B.Sc Semester-V students.  
ISBN No: 978-93-5655-883-0
4. **Organic Name reactions** for all entrance examinations  
ISBN: 978-935627-495-2
5. **Environmental Education** Life skill course book for II B. Sc / B.A/ B.Com students.  
ISBN: 13404|ISBN|2022|A

### List of publications:

1. Reductive amination of Cyclohexanol/Cyclohexanone to cyclohexylamine using SBA-15 supported copper catalysts.

**Sateesh Kumar Beepala**, Mitta Harisekhar, Sk.Hussain and Komandur V R Chary

*Journal of the Indian Chemical Society* **99** (2022) 100451

<http://doi.org/10.1016/j.jics.2022.100451>

2. Hydrogenations of Levulinic acid to Valeric acid over platinum-tungsten catalysts supported on  $\gamma$ -Al<sub>2</sub>O<sub>3</sub>.

P. Bhanuchander, S. Shantipriya, Balla. PutraKumar, Perupogu.Vijayanand, **Beepala. Sateesh Kumar** and Komundur V. R. Chary , *New J. Chem.* **201**, *00*, 1-9.

3. Vapor phase conversion of levulinic acid to  $\gamma$ -valerolactone over mesoporous MCM-41 supported Ru catalysts.

**Sateesh Kumar Beepala**, Balaga.Viswanadham, Vanama.PavanKumar, Velisoju.VijayKumr, Sk. Hussain, Komandur V. R. Chary\*

*Reaction kinetics, mechanism and catalysis* (Manuscript in preparation)

4. Reductive amination of Cyclohexanol/Cyclohexanone to cyclohexylamine using HZSM-5 supported copper catalysts.

**Sateesh Kumar Beepala**, Mitta Harisekhar, Sk.Hussain and Komandur V R Chary

*Research on Chemical intermediates* (Manuscript in preparation)

### Professional Experience:

- ✓ 17<sup>th</sup> Sep2007 – 14<sup>th</sup> Oct 2008: **Senior Chemist (R&D)** at **GVK BIO SCIENCE**, Hyderabad
- ✓ 26<sup>th</sup> Dec 2011 – 27<sup>th</sup>May 2017 as a **Lecturer** in chemistry Govt.Degree & PG College, Tekkali.
- ✓ 27<sup>th</sup> May 2017 to 2<sup>nd</sup> Oct 2021 as a **Lecturer** in Govt.Degree College (M), Srikakulam.
- ✓ 3<sup>rd</sup> Oct 2021 to till now as a **Lecturer** in chemistry Govt.Degree College, Tekkali.

### Achievements:

- ✓ Qualified for **CSIR-JRF** with all India **22<sup>nd</sup> rank** in June-2009.
- ✓ Qualified for CSIR-JRF with all India **54<sup>th</sup> rank** in June-2011.
- ✓ Qualified for UGC-NET in Dec-2008
- ✓ All India **354<sup>th</sup>** rank in GATE-2008.
- ✓ Selected in DIPP, Industry of Commerce as a Patent examiner (Group-A, Gazetted).

- ✓ Qualified for Ph.D admission in IISC Bangalore and qualified BARC, APPSC Exams.

### Conferences & Poster Presentations:

#### **Seminars / Workshops/Refresher Course/Orientation Course attended:**

- 1) National seminar on modern trends in chemistry, education MTCE-2006 held in GITAM College, Vizag during 21<sup>st</sup> and 22<sup>nd</sup> Dec-2006.
- 2) National symposium on Catalysis held at Indian Institute of Technology (IIT), Chennai during 19<sup>th</sup> to 22<sup>nd</sup> Dec 2010.
- 3) Six days Induction training programme conducted for newly recruited Government degree college Lecturers at DRC Govt. College (A), Rajahmundry from 26<sup>th</sup>-31<sup>st</sup> Dec-2011.
- 4) Regional Workshop on “Practical Physical Chemistry” at GDC (men), Srikakulam on 30<sup>th</sup> Dec-2012.
- 5) 33<sup>rd</sup> Orientation Course from 10<sup>th</sup> June 2013 to 6<sup>th</sup> July 2013 and obtained grade ‘A’ at UGC Academic Staff College, JNTU Hyderabad.
- 6) District Resource Centre – Srikakulam sponsored District Level Workshop on “Indian Banking – Trends and challenges” organized by Department of Commerce, GDC, Tekkali held on 20<sup>th</sup> Sept-2014.
- 7) National Seminar on “Recent Trends in Biology and its Applications” organized by SKP Govt. Degree College, Gunthakal on 29<sup>th</sup> Jan 2015.
- 8) Three weeks Refresher Course Programme on Inter Disciplinary course in Environmental Science and obtained ‘A’ Grade at UGC-Human resource Development Center, Andhra University, Visakhapatnam on 01-06-2015 to 21-06-2015.

#### **Oral Paper presentations: 01**

- “Characterization and reactivity of Molybdenum oxide catalysts supported on Niobia” at 20<sup>th</sup> National Symposium on Catalysis for Energy Conversion and Conservation of Environment at IIT, Chennai.

### As Resource Person:

1. Participated as Resource Person in DRC Sponsored District Level Workshop on “Revised Semester Approach of Chemistry Curriculum at UG Level” at Government Model Degree College, Pathapatnam on 28th Aug, 2015.
2. Participated as Resource Person in online webinar on World environmental day on 05-06-2021 at Government Degree College, Tekkali.

### Academic Activities involved

1. **Board of Studies (BOS) Chairman** in Dr.BR Ambedkar University, Srikakulam for chemistry, analytical chemistry and industrial chemistry.
2. **Board of studies chemistry member** in Dr. V S Government Degree College, Visakhapatnam.
3. **APCCE LMS Content generator** and **Subject expert** for Life skill course, Environmental education.

### Academic Activities (in college) involved:

- ✓ Acting as a Vice Principal
- ✓ Act as Assistant Camp officer for BR Ambedkar university semester exams Spot valuation.
- ✓ Acting as a Head of the Department Chemistry
- ✓ Acted as a Coordinator for industrial chemistry
- ✓ CPDC Committee – Member
- ✓ IQAC Committee – Member
- ✓ JKC Committee – Member

### Research Interests:

- ✓ Heterogeneous & Homogeneous Catalysis
- ✓ Solid acid Catalysis
- ✓ Biomass Conversion
- ✓ Material Science, Surface Science
- ✓ Vapour phase Catalytic reactions
- ✓ Liquid phase Organic Synthesis
- ✓ Multi step Organic Synthesis
- ✓

### Research Experience:

- ✓ Preparation of different supported Ruthenium and Copper for vapour phase catalytic reactions.
- ✓ Synthesis, modification and Characterization of Catalyst materials.
- ✓ Synthesis of mixed metal oxides, mesoporous and nano structured materials.
- ✓ Design and development of novel catalysts for various reactions in liquid and vapor phase.
- ✓ Design and construction of the reactors for the evaluation of the catalytic properties.

## **Technical Skills:**

✓ **Instrument familiarity:**

Well conversant with various characterization techniques such as Autosorb-1 for pore size distribution, Autochem 2910 characterizations, Auto pore III Mercury Porosimeter, Micromeritics Pulse Chemisorb 2700 to measure BET surface area, chemisorption, pore size distribution measurements and TPR/TPD/TPO, XRD, SEM, XPS, FT-IR, UV-Vis DRS, Catalysts activity tests using fixed-bed micro-catalytic reactors, Gas Chromatography ( Shimadzu-GC-2014), GC-Mass (HP-5973 quadrupole mass spectrometer).

✓ **Operating System:**

Windows 2000, XP & Vista, MS Office, Paint, Adobe Photoshop.

✓ **Chemistry Software:**

Chemoffice, Chemdraw, Origin.

## **Personal Details:**

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|-----------------------|---|
| ✓ Date of Birth:      | 13 <sup>th</sup> July 1985                |
| ✓ Sex :               | Male                                      |
| ✓ Marriage status:    | Married                                   |
| ✓ Date of joining:    | 26-Dec-2011 (as a Lecturer through APPSC) |
| ✓ Date of retirement: | 31-July-2047                              |
| ✓ Religion:           | Hindu                                     |
| ✓ Nationality:        | Indian                                    |
| ✓ Languages known:    | English, Telugu & Hindi (Read, Write)     |

**Corresponding /Permanent Address:** S/O B. Ramarao Reddy,  
B.S Puram (Vill), Mandasa (post),  
Srikakulam (Dist), A.P, India.  
Phone No. 91-9603259676

**Declaration:**

I here by certify that the information furnished above is complete and correct up to the best of my knowledge and belief.

Yours Sincerely

A handwritten signature in black ink, appearing to read 'Sateesh Kumar Beepala', with a horizontal line underneath.

**(Dr. Sateesh Kumar Beepala)**

Place: Tekkali

Date: 20.09.2022