

## Prof. VENKATA RAMANA DODDI

### Personal Data:

Parents: Adibabu (late) & Sanyasamma

Date of Birth: 20.08.1980

Nationality: Bharatiya (Indian)

Present Address: Dr. Venkata Ramana Doddi, Professor, Department of Chemistry, Central University of Karnataka, Kalaburagi-585367.

Contact: Email: [venkatardoddi@cuk.ac.in](mailto:venkatardoddi@cuk.ac.in) Ph: +91 9298556039

Permanent Address: Dr. Venkata Ramana Doddi, S/O Adibabu (Late), Madhya Veedhi, Munagapaka (post & vill), Visakhapatnam Distirict, Andhra Pradesh-531033.



### Affiliations:

The affiliations are displayed in a rounded rectangular frame. Each affiliation includes a logo and the name of the institution with the years of affiliation.

- Andhra University, Visakhaptanam (1997-2002)**: Logo of Andhra University featuring a sun and a lotus.
- IIT Kanpur, Kanpur (2003-2008)**: Logo of Indian Institute of Technology Kanpur featuring a lamp.
- City University of New York, New York, USA (2008-2009)**: Logo of City University of New York featuring a classical bust.
- SAI Advantium, Hyderabad (2010-2012)**: Logo of SAI Advantium featuring the letters 'SAI' in a stylized font.
- CSIR-IICT, Hyderabad, & DST-INSPIRE (2012-2016)**: Logo of CSIR-IICT and DST-INSPIRE featuring the letters 'iict' and 'inspire'.
- Central University of Jammu (2016-2020)**: Logo of Central University of Jammu featuring a tree.
- Central University of Karnataka (2020-Present)**: Logo of Central University of Karnataka featuring a tree and a book.

**Education:**

1997 – 2000	B. Sc.	<b>Andhra University, Visakhapatnam.</b>
2000 – 2002	M. Sc. (Organic Chemistry)	<b>Andhra University Campus, Visakhapatnam.</b>
2003 – 2008	Ph. D. (Organic Chemistry) (Research Supervisor: Prof. Yashwant D. Vankar)	<b>Indian Institute of Technology (IITK), Kanpur.</b>

**Research project grants as Principle Investigator:**

1. **DST- INSPIRE** : **35 Lakhs** ( 5 years)  
Project title: "Synthesis and biological evaluation of Nordihydroguaiaretic acid (NDGA) and its analogues".
2. **DST-SERB** : **37 Lakhs** (3 Years)  
Project title: "Understanding the novel reactivity and better utilization of bicyclic amidines".
3. **Central University of Jammu** : **02 Lakhs** (2 Years)  
Project title: "Novel synthesis of terminal alkynes and their derivatives".

**MoU and Consultancy:**

1. MoU between Central University of Karnataka, Kalaburagi and Foundation for Neglected Diseases and Research, Bangalore.  
Coordinator: Prof. Venkata Ramana Doddi  
Start date: 05-02-2024, Duration: 05 Years.  
Consultancy fees per year: Rs. 1,00,000/-

**Awards received and recognitions:**

- Received **BEST RESEARCH PUBLICATION AWARD-2018** from Central University of Jammu on National Science Day-2019.
- Received **BEST RESEARCH PUBLICATION AWARD-2017** from Central University of Jammu on National Science Day-2018.
- Awarded the **INSPIRE Faculty Award-2012** by **DST-INSPIRE**, India. (**IFA12-CH-36**)
- Promoted as Senior Research Fellowship (**CSIR-NET-SRF**) by Council for Scientific and Industrial Research in 2005.
- Awarded the Junior Research Fellowship (**CSIR-NET-JRF**) by Council for Scientific and Industrial Research (**CSIR**) in 2003.
- **GATE-2003, Chemistry All India Rank- 73**
- Andhra University common entrance **AUCET-2000 university rank 23**
- **Andhra Pradesh State Government merit Scholarship** 1996 – 1997.

**Post Ph.D. Research & Teaching Experience:**

- 1. 2008 – 2009**            **Post Doctoral fellow @ CCNY, City University of New York, New York, USA.**
- 2. 2010–2012**            **Research Scientist @ SAI Advantium, Hyderabad, India**
- 3. 2012–2016**            **DST-INSPIRE FACULTY & Assisnat Professor (AcSIR) @ CSIR-IICT, Hyderabad, India.**
- 4. 2016–2020**            **Assistant Professor @ Central Univesrity of Jammu, Jammu, India.**
- 5. 2020-2023**            **Associate Professor @ Central Univesrity of Karnataka, India.**
- 6. 2023-Present**        **Professor@ Central University of Karnataka, India.**

**RESEARCH PUBLICATIONS**

1. S. K. Moodapelly, Y. Nanaji, G. V. M. Sharma, K. Suneel and Venkata Ramana Doddi,\* Cu-catalyzed solvent-free, pot-economic synthesis of 1,3-dynes from 1,1- dibromoalkenes in the presence of DBU• H<sub>2</sub>O *Arkioic*, 2021, DOI: <https://doi.org/10.24820/ark.5550190.p011.466>
2. A. K. Morri, Y. Thummala, S. Ghosh, **Venkata Ramana doddi\***, Urea-promoted Metal-free Homolytic Alkynyl Substitution (HAS): Metal-free C-C coupling of alkynyl bromides formed in situ from 1,1-dibromoalkenes *ChemistrySelect*, 2021, 6, 2387.
3. P. Dalovai, G. V. Karunakar, V. D. Nadar, Venkata Ramana Doddi , S. Kanaparthi, Gold-catalyzed formation of substituted aminobenzophenone derivatives via intramolecular 6-endo-dig cyclization *J. Chem. Sci* (Bangalore) 2021, 133, 19.
4. Y. Thummala, C. E. Raju, D. Purnachandar, G. Sreenivasulu, **Venkata Ramana Doddi**, G. V Karunakar, Gold-Catalyzed Regioselective Synthesis of Pyrazolo[1,4]oxazepines via Intramolecular 7-endo-dig Cyclization *Eur. J. Org. Chem.* 2020, 3560-3567.
5. A. K Morri, Y. Thummala, R. Adepu, G.V.M. Sharma, S. Ghosh, Venkata Ramana Doddi\*, Synthesis of Substituted Thioamides from gem-Dibromoalkenes and Sodiumsulfide *Eur. J. Org. Chem.* 2019, 7159.
6. Y. Thummala, G. V. Karunakar, V. R. Doddi, DBU-Mediated Synthesis of Aryl Acetylenes or 1-Bromoethynylarenes from Aldehydes *Adv. Synth. Catal.* 2019, 361, 611. (Impact Factor: 5.123).
7. Y. Thummala, A. K. Morri, G. V. Karunakar, V. R. Doddi        DBU-Mediated        Efficient Synthesis of Diaryl Ethynes and Enynes from 1,1-Dibromoalkenes at Room Temperature *Eur. J. Org. Chem.* 2018, 6280–6285.
8. S. K. Moodapally, G. V. M. Sharma, Venkata Ramana Doddi\*. Controlled Reactivity of 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) in the Selective Synthesis of 1-(Bromoethynyl)arenes. *Adv. Synth. Catal.* 2017, 359, 1535.[Impact factor: 5.646]. Received best publication award-2017 by VC, CUJammu.
9. A. K. Morri, Y. Thummala, Venkata Ramana Doddi\*. The Dual Role of 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) in the Synthesis of Terminal Aryl- and Styryl-Acetylenes via Umpolung Reactivity. *Org. Lett.*, 2015, 17, 4640-4643. [Impact factor: 6.579] Appeared as most viewed article of the month.
10. G. V. M. Sharma, Venkata Ramana Doddi. Macrolactones in Natural Lactones and Lactams – Synthesis, Occurrence and Biological Activity. 'Wiley' New York (2013)

11. G. V. M. Sharma, P. R. Krishna, Venkata Ramana Doddi, S. Kashyap, P. S. Reddy. Application oriented catalytic organic synthesis in Industrial Catalysis and Separations: Innovations for Process Intensification . **Apple Academic Press (2014)**.
12. Venkata Ramana Doddi, Y. D. Vankar. Synthesis of Pyrrolidine-Based Imino Sugars as Glycosidase Inhibitors. *Eur. J. Org. Chem.* **2007**, *33*, 5583-5589. (Full Paper). [Impact factor: 3.065]
13. Amitkumar, Venkata Ramana Doddi, Y. D. Vankar. Mild and efficient method for the selective deprotection of anomeric acetal using triphenylcarbenium tetrafluoroborate. *J. Org. Chem.* **2008**, *73*, 5993-5995. [Impact factor: 4.721]
14. Venkata Ramana Doddi, Amit kumar, Y. D. Vankar. Stereoselective synthesis of *muco*-quercitol, (+)-*gala*-quercitol and 5-Amino-5-deoxy-D-*vibo*-quercitol from D-mannitol. *Tetrahedron* **2008**, *64*, 9117-9122. [Impact factor: 2.641]
15. Venkata Ramana Doddi, H. P. Kokatla, A. P. J. Pal, Y. D. Vankar, Synthesis of hybrids of D-glucose and D-galactose with pyrrolidine based iminosugars as glycosidase inhibitors. *Eur. J. Org. Chem.* **2008**, 5731. (Full Paper). [Impact factor: 3.065]
16. Venkata Ramana Doddi, P. K. Kancharla, Y. D. Vankar. Synthesis of fused pyran-carbahexopyranoses as glycosidase inhibitors. *Carbohydr. Res.* **2009**, *344*, 606. [Impact factor: 1.929]
17. K. H. Prasad, R. Lahari, P. K. Kancharla, Venkata Ramana Doddi, Y. D. Vankar Synthesis of (–)-Deoxoprosophylline, (+)-2-*epi*-Deoxoprosopinine, and (2R,3R)- and (2R,3S)-3Hydroxypipicolinic Acids from D-Glycals. *J. Org. Chem.* **2010**, *75*, 4608-4611. [Impact factor: 4.721]
18. Pavan K. Kancharla, Venkata Ramana Doddi, Hari prasad kokatla, Y. D. Vankar. A concise route to (–)-shikimic acid and (–)-5-*epi*-shikimic acid, and their enantiomers via Barbier reaction and ring-closing metathesis. *Tetrahedron Lett.* **2009**, *50*, 6951. [Impact factor: 2.379]
19. Y. S. Reddy, P. Kadigachalam, Venkata Ramana Doddi, Y. D. Vankar. Intramolecular ketonitrone-olefin cycloaddition reaction: Direct and stereocontrolled synthesis of nitrogenated quaternary centered aminocyclopentitols as galactosidase inhibitors. *Tetrahedron Lett.* **2009**, *50*, 5827. [Impact factor: 2.379]
20. A. P. J. Pal, P. Kadigachalam, A. Mallick, Venkata Ramana Doddi, Y. D. Vankar. Synthesis of sugar derived spiroaminols via lactonization and metathesis reactions. *Org. Biomol. Chem.*, **2011**, *9*, 809-819. [Impact factor: 3.562]
21. H. P. Kokatla, P. F. Thomson, S. Bae, Venkata Ramana Doddi, M. K. Lakshman, Reduction of Amine N-Oxides by diboran reagents. *J. Org. Chem.*, **2011**, *76*, 7842–7848. [Impact factor: 4.721]
22. R. Basak, S. Dharuman, Y. S. Reddy, Venkata Ramana Doddi, and Y. D. Vankar. *Chem. Lett.* **2012**, *41*, 325. [Impact factor: 1.23]

**Patent:**

23. T. V. S. K. Vittal, S. Sudhakar, K. S. Reddy, Venkata Ramana Doddi, Ch. Lakshminarayana, M. Sridhar. Process for preparing Norbornane derivative. **Patent No at IPO: No.F25/00078/2011/CHE/013613.**

**Invited talks / Symposiums / Conferences / Seminars:**

1. Invited lecture @ Faculty Development Program (FDP), on “AROMATICS (including heterocycles)” Vellore Institute Of Technology (VIT), Vellore on 14<sup>th</sup> September, 2022.

2. Invited lecture @ Faculty Development Program (**FDP**), on "Important Aspects of Organic Chemistry for Sustainable Industrial Development" Indian Institute of Technology, Patna (IITP), during 29-30<sup>th</sup> October, 2021.
3. Invited lecture @ Six-day Faculty Development Program (**FDP**), on "Teaching and Learning of Green Chemistry: Nurturing a new generation of chemists" National Institute Of Technology (NIT), Warangal 26<sup>th</sup> February to 3<sup>rd</sup> March, 2021.
4. Invited lecture @ National e-Seminar on Chemistry In Emerging Trends Of Interdisciplinary Research (NeSCETIR-2020), on, Department of Chemistry, Nagaland University, Lumani, Nagaland during 18-20 November 2020.
5. Invited lecture @ Five-day Faculty Development Program (**FDP**) on Synthesis of Advanced Materials and its Applications (SAMA-2020), Department of Physics, Usharama College of Engineering and Technology, Vijayawada, Andhra Pradesh during 15-19 October 2020.
6. Invited lecture @ Virtual International conference on Emerging Research Trends in Chemical Sciences (ERTCS-2019), Govt. PG College, Udampur, J&K during 24-26 July 2020.
7. Invited lecture @ International conference on Trends in Chemical and Biological Sciences: Impact on Health and Environment (ISCBC-2019), Golden tulip hotel, Lucknow during 12-14 January 2019.
8. Invited lecture @ National Bioorganic Chemistry Conference (NBCC), NISER Bhubaneswar during 22-24 December 2018.
9. Invited lecture @ International Workshop on Soft Materials and Devises (IWSMD-2018), Central University of Jammu, Jammu during 21-25 March 2018.
10. Invited talk @ International conference on Frontiers at Chemistry-Allied Sciences Interface (FCASI-2017), University of Rajasthan, Jaipur during 22-23 July 2017.
11. Invited talk @ 12<sup>th</sup> JK Science Congress, University of Jammu, Jammu during 2-4 March 2017.
12. National Conference on Materials for Sustainable Development and new Technology, Central University of Jammu, Jammu during 28-29 April 2017.
13. Research Presentation @ DST-INSPIRE Faculty Monitoring-cum-Interaction Meet (Chemical & Material Sciences) at KIIT University, Bhubaneswar during 16-17 January, 2017.
14. Invited talk @ 11<sup>th</sup> National Conference of Indian thermodynamics society, University of Jammu, Jammu during 02-03 December 2016.
15. Transacting Students Engagement For Rural Community Development, Central University of Jammu, Jammu during 26-27 April 2017.
16. National Seminar on: Role of Yoga and Naturopathy for Total Health, Central Univeristy of Jammu, during 20-21 December 2017.
17. Challenges in Catalysis Science and Technology (CCST-2016), CSIR-Indian Institute of Chemical Technology, Hyderabad during 23-25 June 2016.
18. Research presentation @ Advances in Cancer Therapeutics (ACT-2016), CSIR-Indian Institute of Chemical Technology, Hyderabad during 4-5 April 2016.
19. Research presentation @ International symposium on Nature Inspired initiatives in Chemical Trends (NICT-2014), CSIR-Indian Institute of Chemical Technology, Hyderabad during 02-05 March 2014.
20. 27<sup>th</sup> International carbohydrate symposium, Indian Institute of Science, Bangalore during 12-17 January 2014.
21. Delivered research presentation @ Second NOST Symposium, International College for girls, Jaipur during 11-14 October, 2006.

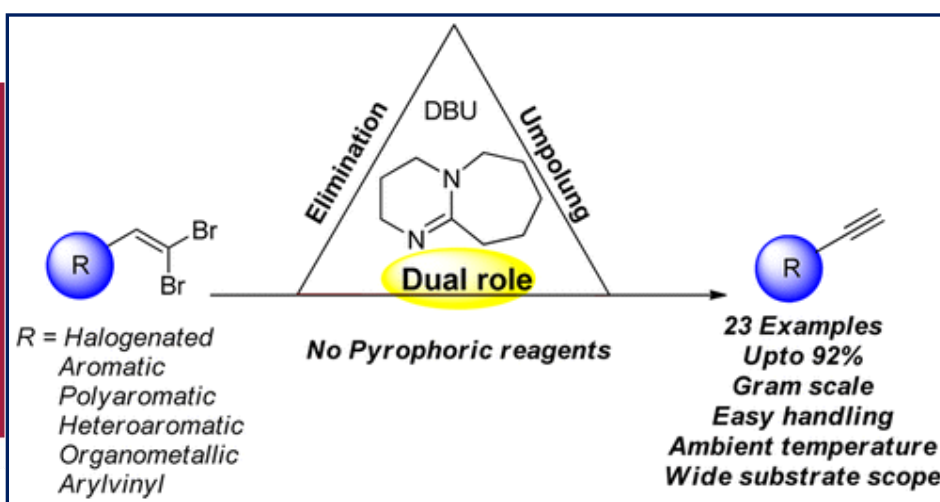


22. Delivered research presentation @ Sixth National Symposium in Chemistry, IIT Kanpur during 06-08 February, 2004.

### Current Research Activities

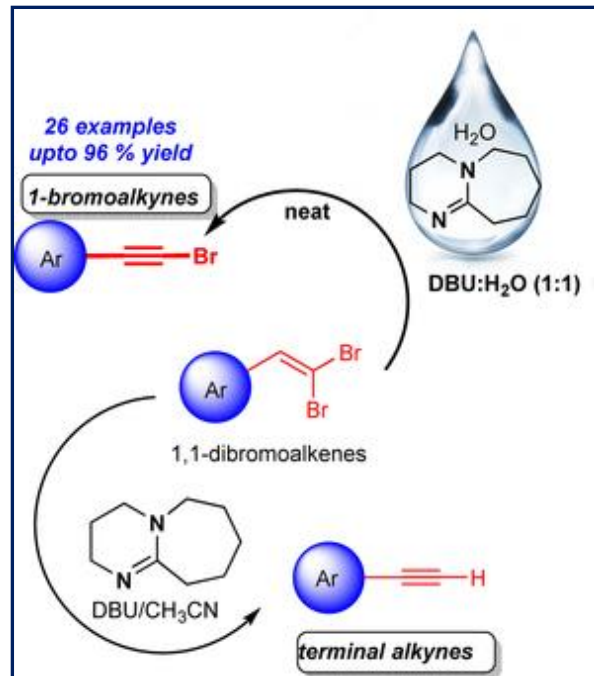
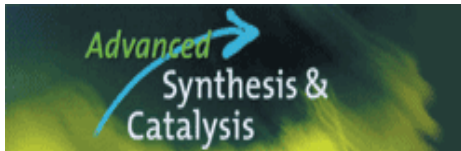
- ❖ Developed an attractive alternative method for the synthesis of terminal alkynes. (Published in Organic Letters Journal and this appeared as **most read articles of organic letters** of that month)

<http://pubs.acs.org/doi/abs/10.1021/acs.orglett.5b02398?journalCode=orlef7>

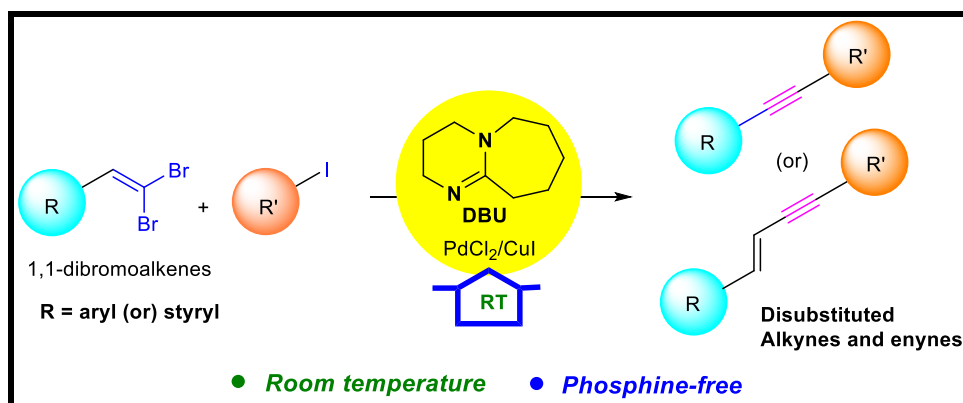


- ❖ Controlled Reactivity of 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) in the Selective Synthesis of 1-(Bromoethynyl)arenes (Published in Wiley- Advanced Synthesis and Catalysis).

<http://onlinelibrary.wiley.com/doi/10.1002/adsc.201601279/abstract>

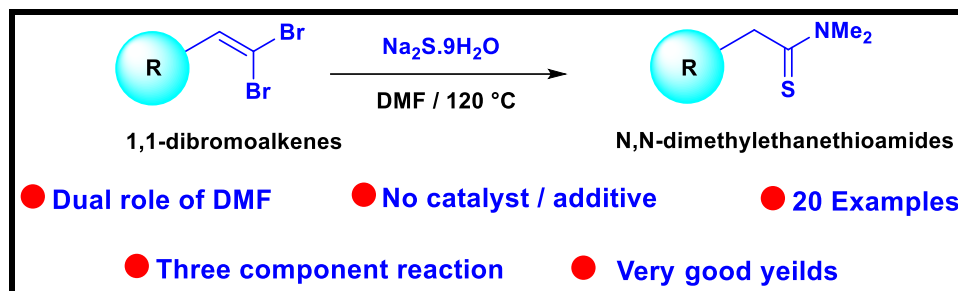


- ❖ Developed Reagent economic synthesis of internal alkynes from insitu prepared internal alkynes. The DBU mediated efficient synthesis of diaryl ethynes and enynes from 1,1-dibromoalkenes at room temperature.



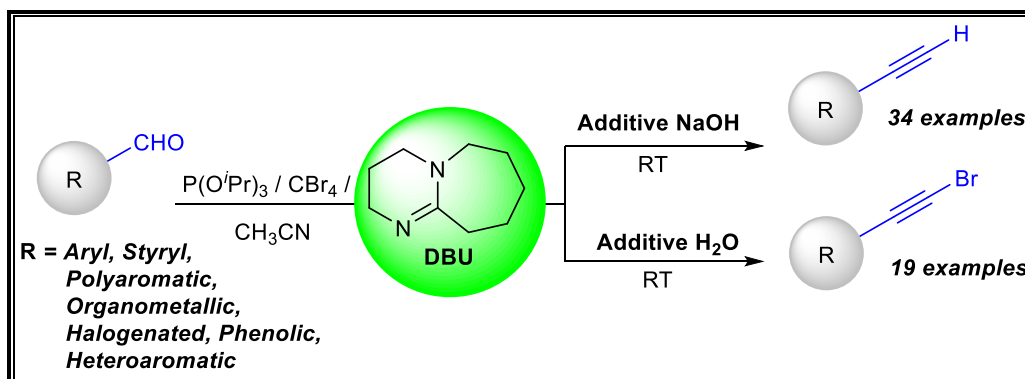
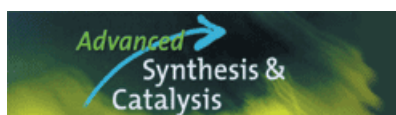
- ❖ Sodium Sulfide Mediated Synthesis of the N,N-Dimethylethanethioamides from 1,1-Dibromoalkenes in Dmethylformamide (DMF)

<https://chemistry-europe.onlinelibrary.wiley.com/doi/abs/10.1002/ejoc.201901411>



- ❖ Additive-Switch Synthesis of Aryl- and Styryl-Acetylenes or 1-Bromoethynylarenes from Aldehydes.

<https://onlinelibrary.wiley.com/doi/abs/10.1002/adsc.201801334>

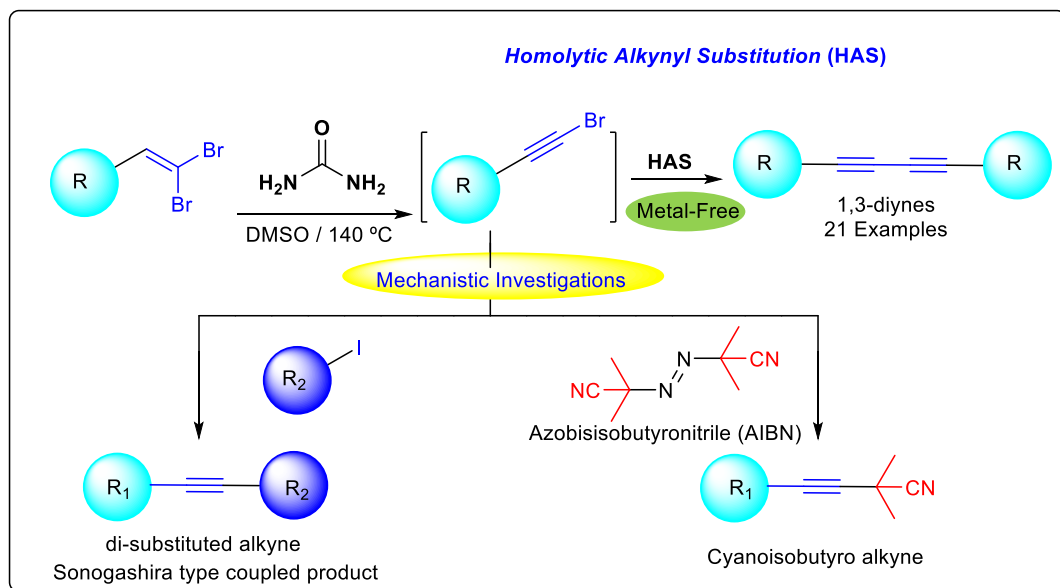


- ❖ Urea-promoted Metal-free Homolytic Alkynyl Substitution (HAS): Metal-free C-C coupling of alkynyl bromides formed in situ from 1,1-dibromoalkenes. <https://doi.org/10.1002/slct.202100243>

ChemistrySelect

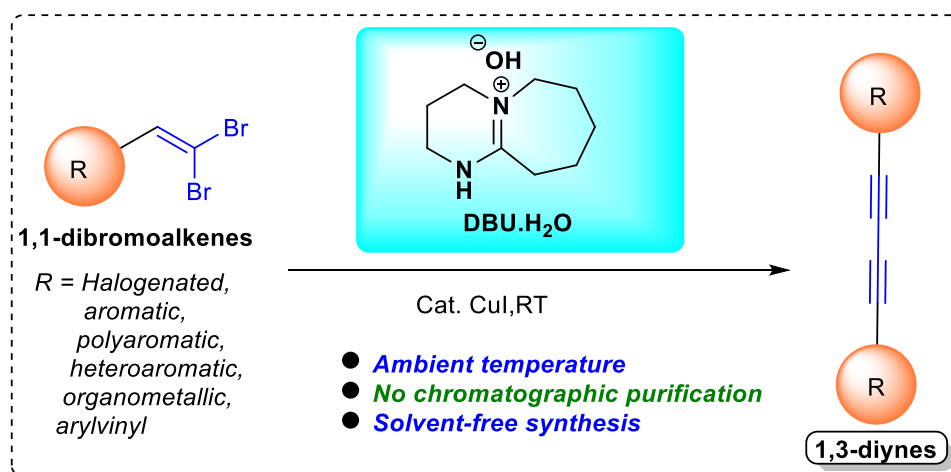
Chemistry Europe  
 European Chemical Societies Publishing





- ❖ Cu-Catalyzed solvent-free, pot-economic synthesis of 1,3-diynes from 1,1-dibromoalkenes in the presence of DBU•H<sub>2</sub>O. *Arkivoc*, 2021.

DOI: <https://doi.org/10.24820/ark.5550190.p011.466>



**Organizing committee memberships:**

1. Member organizing committee @14<sup>th</sup> National Youth Parliament Competition 2017-18 at Central University of Jammu on 27<sup>th</sup> October, 2017.

2. Member organizing committee @ National Conference on Materials for Sustainable Development and new Technology, Central University of Jammu, Jammu during 28-29 April 2017.
3. Member organizing committee @ National Science Day 2017, Central University of Jammu, Jammu on 28<sup>th</sup> February 2017.
4. Member organizing committee @ University business Incubation Centre, Central university of Jammu, Jammu during 28-29 April 2017.
5. Member organizing committee @ Faculty Development Program on “Entrepreneurship Development” sponsored by Entrepreneurship Development Insititute of India, Gandhinagar, Gujarat under DST-NIMAT at CUJammu during 06-28 December, 2017.

**ADMINISTRATIVE EXPERIENCE:**

- |                        |  |
|------------------------|--|
| <b>1. 2020 – 2023</b>  | <b>Assciate Dean Students Welfare (ADSW) @</b> Central University of Karnataka, Kalaburagi, India. |
| <b>2. 2021-2024</b>    | <b>Deputy Director, IQAC @</b> Central University of Karnataka, Kalaburagi, India.                 |
| <b>3. 2022-Present</b> | <b>Proctor @</b> Central University of Karnataka, Kalaburagi, India.                               |
| <b>4. 2023-Present</b> | <b>Dean@</b> School of Chemical Sciences, Central University of Karnataka, kalaburagi, India.      |

**Testimony:** I hereby declare that the information given above is true to the best of my knowledge and belief.

Sincerely Yours,

(Prof-. Venkata Ramana Doddi)