

Curriculum Vitae



1. Personal Information

1	Name, Designation and Address	Dr. Talavara Venkatesh Assistant Professor Department of PG Studies and Research in Chemistry, Jnana Sahyadri, Kuvempu University, Shankaraghatta, Shivamogga, Karnataka-577451
2	Email and contact number(s)	venkateshatalwar@gmail.com +91-7259417026
3	Date of Birth	01-07-1988
4	Gender and Marital status	Male ; Married
5	Category Gen/SC/ST/OBC	ST
6	Nationality	Indian

2. Educational Qualification

Sl. No	Name of the Degree	University	Year	Specialization
1	Ph. D.	Kuvempu	2017	Synthesis of Some Novel Heterocyclic Compounds Containing Pyrimidine Nucleus of Biological Interest
2	M. Sc.	Kuvempu	2012	Industrial Chemistry
3	B.Sc.	Gulbarga	2010	Physics, Chemistry and Mathematics

3. A) Teaching Experience:

Sl. No	Designation	University/Institution	Period
1	Assistant Professor	Kuvempu University	29-12-2017 Till today
2	Guest Lecturer	Sahyadri Science College, Shivamogga	01-07-2017 to 27-12-2017

B) Academic Programs Taught:

Sl. No.	University/Institution	Programme taught
01	Dept. of PG Studies and Research in Chemistry,	M.Sc. and Ph.D. Course work
02	Sahyadri Science College, Shivamogga	B.Sc.

C) Courses (Subjects) Taught:

University/Institution	Subjects
Dept. of Chemistry, Kuvempu University	Organic Chemistry, Spectroscopy, Reaction mechanisms, Oxidation and Reduction reactions, Stereochemistry, Medicinal Chemistry and Natural products, acids and Bases concepts, Chemistry of new materials and Organometallic compounds.
Sahyadri Science College, Shivamogga	B.Sc. (Chemistry)

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

Sl. No	Name of Award	Awarding Agency	Year
1	National Fellowship for Higher Education	UGC-NFHE-JRF	2016
2	Chemical Analysis of Mineral Water and Effluents” sponsored by UGC under COAP	Certificate	2009-10

5. Administrative Experience

Sl. No	Position	Organization	Duration	Responsibility
1	E-Attestation Officer	Kuvempu University, Shankaraghatta	2019-2021	Academic responsibility
2.	Faculty Advisor	PG-New Boys Hostel Kuvempu University, Shankaraghatta	2021-Till Now	Advisor

6. Memberships of University Bodies/other organizations

Sl. No	Nature of Association	University/ Organization/Institute Body	Period
1	B.O.E Chairman and Member	Dept. of Chemistry, Kuvempu University, Shankaraghatta	2021-22
2	B.O.E Member	Dept. of Chemistry, VSKU- Bellary	2020-2021
3	B.O.E Member	Dept. of Chemistry, Tumkur University	2020-2021

7. Research Projects

Principle Investigator

Sl. No	Project Name	Funding Agency	Amount/Period
1	Synthesis of Nitrogen Heterocycles and Their Electrochemical Studies for Solar Cell Applications.	UGC-BSR Research Start-Up-Grant [F. No. F.30-486/2019 (BSR)]	Ten lakh /2019-21

8. Research Guidance

a) Ph.D.- Ongoing

Sl. No.	Name of the students	Title	Year	Status
1	Mr. K. Upendranath	Synthesis, characterization and applications of some novel nitrogen-heterocyclic compounds.	May-2019	Ongoing
2	Ms. S.H. Sukanya	Synthesis and biological evaluation of some new heterocyclic compounds containing nitrogen and oxygen atoms.	May-2019	Ongoing
3	Ms. R.S. Priya Rani	Synthesis and biological evaluation of some novel pyrazole-pyrimidine derivatives.	May-2019	Ongoing

b) M.Sc. Dissertation: M.Sc. (Chemistry)

Sl. No.	Number of students	Organization	Year	Status
1	30	Dept. of Chemistry, Kuvempu University, Shankaraghatta	2018 to till now	Completed

9. Conferences, Seminars, Training Programmes, Refresher courses, etc., Organized:

Sl. No.	Programme	Organization	Year	Role
1	A Two day National Conference on "Exploring Innovative Research and Developments in Chemical Sciences (EIRDCS-2019)" Department of Chemistry Kuvempu University, Shankaraghatta, Shivamogga. During 01 and 02 March 2019.	Dept. of Chemistry, Kuvempu University, Shankaraghatta	March 2019	A treasurer and abstract in-charge.

Refresher Course and Orientation Programme Participated

1. “**Refresher Course on Chemistry**” organized by the Human Resource Development Center, University of Hyderabad from 8th to 20th February 2021 and obtained grade-A.
2. **Orientation Programme:** (Faculty Induction) conducted by MGNCRE, Department of higher education, Govt. of India, in Hyderabad from 3rd January to 31st January 2019, obtained grade-A.
3. 15 days virtual programme entitled “**National Level Refresher Course on Selective Topics in Organic Chemistry**” jointly organized by Col. Dr. Jeppiaar Research park, Center For Ocean Research and Dept. of Chemistry, SIST, Chennai, Tamil Nadu from 05th to 19th October 2020.
4. Online faculty development programme on “**Chemistry in Medicine and Material Science**” Conducted by Dept of Chemistry, School of Chemical Sciences, National Institute of Technology Andhra Pradesh, from 21st to 25th September 2020.

10 a) Research Publications (25):

1. **Talavara Venkatesh***, Kantharaj Upendranath, Jayappa Manjanna, Optical, Electrochemical and DFT studies of Indol-5,8-pyrimido[4,5-d]pyrimidine Derivatives- Under Review.
Journal: *Chemical Data Collections*, Year: 2022.
2. K. Upendranath, **Talavara Venkatesh***, T.N, Lohith, M.A. Sridhar, Synthesis, characterizations of new Schiff base heterocyclic derivatives and their optoelectronic, computational studies with level II & III features of LFPs
Journal: *Journal of Molecular Structure*, Year-2022 I.F-3.19
3. B. Manjunatha, Yadav D. Bodke,* **Talavara Venkatesh**, K M. Mussuvir Pasha, and R. Sandeep Kumar Jain, Synthesis of Novel Sulfonamide Incorporated Azo Compounds as a Potent Solvatochromic and Antimycobacterial Agents, : doi.org/10.1002/slct.202200036
Journal: *Chemistry Select*, Year: 2022, I.F-2.1
4. K. Upendranath, **Talavara Venkatesh***, Y. Arthoba Nayaka, M. Shashank, G. Nagaraju, Optoelectronic, DFT and current-voltage performance of new Schiff base 6-nitro-benzimidazole derivatives, <https://doi.org/10.1016/j.inoche.2022.109354>.
Journal: *Inorganic Chemistry Communication*, Year: 2022: I.F-2.4
5. K. Upendranath, **Talavara Venkatesh***, M. Vinuth, Development and visualization of level II, III features of latent fingerprints using some new 4-(4-substitutedphenyl)-6-(4-substitutedphenyl)-2-oxo-1,2-dihydropyridine-3-carbonitrile derivatives: Synthesis, characterization, optoelectronic and DFT studies.

Journal: *Journal of Indian Chemical Society*, Year-2022: I.F-0.2

6. K. Upendranath, **Talavara Venkatesh***, M. Shashank, G. Ngaraju, K.M. Mussuvir Pasha, One-pot. synthesis of some new 7-hydroxy-5-(4-substitutedphenyl)-9-methyl-1,5-dihydro- 2H-dipyrimido[1,2-a:4',5'-d]pyrimidine-2,4(3H)-dione derivatives and its optoelectronic, DFT, photocatalytic studies and latent fingerprint applications
<https://doi.org/10.1016/j.molstruc.2021.131930>

Journal: *Journal of Molecular Structure*, Year-2021 I.F-3.19

7. **Talavara Venkatesh***, Yadav D. Bodkea, B. Manjunatha, S. Ravi Kumar, Synthesis, antitubercular activity and molecular docking study of substituted [1,3]dioxino[4,5-d]pyrimidine derivatives via facile CAN catalyzed Biginelli reaction :
<https://doi.org/10.1080/15257770.2021.1972310>

Journal: *Nucleosides, Nucleotides and Nucleic Acids*, Year: 2021: I.F-1.31

8. S.H. Sukanya, **Talavara Venkatesh***, S.J. Aditya Rao, N. Shivakumara, Muthipeedika Nibin Joy, Facile synthesis of some 5-(3-substituted-thiophene)-pyrimidine derivatives and their pharmacological and computational studies,
<https://doi.org/10.15826/chimtech.2021.8.4.01>

Journal: *Chemica Techno Acta*, Year: 2021.

9. S.H. Sukanya, **Talavara Venkatesh***, S.J. Aditya Rao, Muthipeedika Nibin Joy, Efficient L-Proline catalyzed synthesis of some new (4-substituted-phenyl)-1,5-dihydro-2H- pyrimido[4,5-d][1,3]thiazolo[3,2a]-pyrimidine-2,4(3H)-diones bearing thiazolopyrimidine derivatives and evaluation of their pharmacological activities: <https://doi.org/10.1016/j.molstruc.2021.131324>

Journal: *Journal of Molecular Structure*, Year: 2021.I, F-3.19

10. S.H. Sukanya, **Talavara Venkatesh***, Ravi Kumar S, Yadav D. Bodke, Facile TiO₂ NPs catalysed synthesis of substituted-4-Hydroxy/methoxy benzylidene derivatives as potent antioxidant and anti-tubercular agents: <https://doi.org/10.1016/j.cdc.2021.100713>.

Journal: *Chemical Data Collections*, Year: 2021.

11. **Talavara Venkatesh***, K. Upendranath Y. Arthoba Nayaka, Development of electrochemical and optoelectronic performance of new 7-[[1H-indol-3-ylmethylidene]amino]-4-methyl-2H-chromen-2-one dye, <https://doi.org/10.1007/s10008-020-04892-9>

Journal: *Journal of Solid State Electrochemistry* Year-2021. I, F-2.57

12. **Talavara Venkatesh**, Yadav D Bodke, S. J. Aditya Rao, Facile CAN catalyzed one pot synthesis of novel indol-5,8-pyrimido[4,5- d]pyrimidine derivatives and their pharmacological study: <https://doi.org/10.1016/j.cdc.2019.100335>.

Journal: *Chemical Data Collections*, Year: 2020.

13. N.M. Mallikarjun, J.Keshavayya, M.R. Maliyappa, R.A. Shoukat Ali, **Talavara Venkatesh**, Synthesis, characterization, thermal and biological evaluation of Cu (II), Co (II) and Ni (II) complexes of azo dye ligand containing sulfamethaxazole moiety, <https://doi.org/10.1016/j.molstruc.2018.03.094>
Journal: *Journal of Molecular Structure*, Year: 2018. .I, F-3.19
14. **Talavara Venkatesh**, Yadav D. Bodke, Nagaraj K, Ravi Kumar S, One-pot synthesis of novel substituted phenyl-1,5-dihydro-2H-benzo[4,5] thiazolo[3,2-a]pyrimido[4,5- d]pyrimidine derivatives as potent antimicrobial agents: <https://doi.org/10.4172/2161-0444.1000488>.
Journal: *Medicinal Chemistry (Los Angeles) (OMICS)*, Year: 2018. .I, F-3.19
15. Kavitha K L, Yadav D Bodke, Nibin Joy M, **Talavara Venkatesh**, Kenchappa R and Sameer R Patil, Synthesis of some novel coumarins coupled with 1,2,3-trizoles as potent antimicrobial agents.
Journal: *Inventi Rapid: Med. Chem*, Year: 2018.
16. **Talavara Venkatesh**, Yadav D. Bodke, Muthipeedika Nibin joy, Bhadrapura Lakkappa Dhananja Synthesis of some benzofuran derivatives containing pyrimidine moiety as potent antimicrobial agents: <https://doi.org/10.22037/IJPR.2018.2181>.
Journal: *Iranian Journal of Pharmaceutical Research*, Year: 2018. I, F-1.69
17. Yadav D Bodke, Kavitha KL, **Talavara Venkatesh**, Application of Suzuki coupling in the synthesis of some novel coumarin derivatives as potent antibacterial agents.
Journal: *Der Pharma Chemica*, Year: 2017.
18. Vinoda B. M, Yadav D Bodke, Sandeep Telkar, Arun Sindhe M, **Talavara Venkatesh**, Fe (iii)-montmorillonite catalyzed one pot synthesis of 5-substituted dihydropyrimidine derivatives as potent antimicrobial agents: <https://doi.org/10.1016/j.jtumed.2016.07.003>.
Journal: *Journal of Taibah University Medical Sciences*, Year: 2017. I. F-1.20
19. KL Kavitha, Yadav D Bodke, **Talavara Venkatesh** and Mamata D Naik, Synthesis and antimicrobial evaluation of novel 4-substituted phenyl-(2-oxo-2h-chromen-3-yl) prop-2-en- 1-ylidene pyrimidine derivatives.
Journal: *Journal of Chemical and Pharmaceutical Research*, Year: 2017.
20. **Talavara Venkatesh**, Yadav D. Bodke, Nibin Joy M, Vinoda B M, Yallappa Shiralgi, Dhananjaya BL, Synthesis of some novel 5,7-disubstitutedaryl-2-phenyl-5h- [1,3,4]thiadiazolo [3,2-a] pyrimidine derivatives and evaluation of their biological activity: <https://doi.org/10.2174/41570178613666161017123123>
Journal: *Letters in Organic Chemistry*, Year: 2016. I. F-0.867.

21. Aruna Sindhe M, Yadav D Bodke, Kenchappa R, Vinoda BM, **Venkatesh Talavara**, Nagaraja O, In vivo anti-hyperglycemic activity of ficus amplissima smith bark extracts. Journal: *Journal of Chemical and Pharmaceutical Research*, Year: 2016.
22. **Talavara Venkatesh**, Yadav. D. Bodke, Kenchappa R, Sandeep Telkar, Synthesis, antimicrobial and antioxidant activities of chalcone derivatives containing thiobarbitone nucleus: <https://doi.org/10.4172/2161-0444.1000383>
Journal: *Medicinal Chemistry (Los Angeles)*, Year: 2016.
23. Vinoda BM, Bodke YD, Vinuth M, Aruna Sindhe M, **Venkatesh T**, Sandeep Telkar, One- pot synthesis, antimicrobial and in-silico molecular docking study of 1,3-benzoxazole-5-sulfonamide derivatives: <https://doi.org/10.4172/2161-0401.1000163>
Journal: *Organic Chemistry (Current Research)*, Year: 2016. I. F-3.81.
24. Gajanan H, Shivarudrappa H. P, Yallappa S, **Talavara Venkatesh**, Nagendra S. Y, Bharath R.B, Mohammed S, Synthesis and Characterization of novel pyrimidinimine-based Schiff base ligands and their Cu (ii) complexes for biomedical applications: <https://doi.org/10.20959/wjpr20169-6865>.
Journal: *World Journal of Pharmaceutical Research*, Year: 2016.
25. M. Nibin Joy, Yadav D. Bodke, K.K. Abdul Khader, Ayyiliyath M. Sajith, **Talavara Venkatesh**, A.K. Ajeesh, Simultaneous exploration of TBAF-3H₂O as a base as well as a solvating agent for the palladium catalyzed Suzuki cross-coupling of 4-methyl-7-nonafluorobutylsulfonyloxy coumarins: <https://doi.org/10.1016/j.jfluchem.2016.01.002>
Journal: *Journal of Fluorine Chemistry*, Year: 2016. I. F-2.05
26. M. Nibin Joy, Bhaskaran Savitha, Yadav D. Bodke, Ayyiliyath M. Sajith, **Talavara Venkatesh**, K.K. Abdul Khader, A facile access for the synthesis of some C-2 substituted imidazopyrazines by utilizing the palladium catalyzed Suzuki cross-coupling reaction under microwave irradiation: <https://doi.org/10.1016/j.ccllet.2015.08.015>
Journal: *Chinese Chemical Letters*, Year: 2016. I. F-5.55

2. b) Research articles: Communicated

1. Sukanya S.H., **Talavara Venkatesh***, Aditya Rao S.J., Anup Pandith, An efficient p-TSA catalyzed one-pot synthesis of some novel substituted-(5-hydroxy-3- phenylisoxazol-4-yl)-1,3-dimethyl-1H-chromeno[2,3-d]pyrimidine- 2,4(3H,5H)-dione/3,3-dimethyl-2H-xanthen-1(9H)-one derivatives and evaluation of their pharmacological and computational investigations- **Under Review**.

Journal: *European Journal of Medicinal Chemistry*, Year: 2021.

2. Priya Rani R.S, **Talavara Venkatesh***, Krishnamurthy G. Synthesis of some new novel 1-(4-substitutedphenyl)-3-(3-phenyl-1H-pyrazol-4-yl)prop-2-ene-1-one derivatives and screened for their biological and computational studies-**Under Review**.

Journal: *Chemical Data Collections*, Year: 2021

3. Anajan Kumar G.C, Yadav. D. Bodke, **Talavara Venkatesh**, Surendra B.S Areca nut extract mediated preparation of ZnO and its catalytic application in the synthesis of novel 3-(Phenyl)(ethylamino)methyl-4-hydroxy-2H-chromen-2-one derivatives: Computational and Electrochemical studies – **Under Review**.

Journal: *Journal Molecular Structure*, Year: 2021.

4. Nagaraja O, Yadav D Bodke, Thippeswamy B, **Talavara Venkatesh**, Manjunatha B, Synthesis, Characterization and Biological Evaluation of Heterocyclic Compounds Containing 4-Methylumbelliferone - **Under Review**

Journal: *Journal of Molecular Structure*, Year: 2021

5. N. Shivakumar, Panchangam Murali Krinshna, Karunakar, Yadav D Bodke , **Talavara Venkatesh** M. R. Mallitappa, Bioinspired 2-Amino-5-aryl-1, 3, 4-thiadiazoles: Synthesis, Characterization, DNA interactions and Poly(ADP-ribose) polymerase-1 (PARP-1) inhibition activities-**Under Review**.

Journal: *ACS Omega*, Year: 2021.

a) Conferences, Seminars, etc Attended and Papers presented:

1. **“TiO₂ NPs Catalyzed Knoevenagel Condensation of Synthesis of Substituted-4-Hydroxy/methoxy benzylidene Derivatives and Evaluation of Their Pharmacological Activities”**. Two Days International Webinar on **“Current trends and alternative approaches to target COVID-19”** conducted by Dept. of Chemistry in coridination with IQAC, Sahyadri Science College, Shivamogga on 7th and 8th 2021.- **Poster Presentation**
2. CAN Catalyzed Synthesis and Biological Activity of Dihydropyrimido[4,5-d]Pyrimidine Derivatives. A Two day National Conference on **“Exploring Innovative Research and Developments in Chemical Sciences (EIRDCS-2019)”** organized by the Department of Chemistry during 01 & 02 March 2019 at Kuvempu University, Shankaraghatta, Shivamogga-**Poster presentation**
3. Synthesis and Antitubercular Activity of Some Novel Substituted-aryllylidine-2,2-dimethyl-7-thioxo/oxo-4H[1,3]dioxino[4,5-d]Pyrimidine Derivatives. Two day National Conference on **“Recent Advances in Chemical Biology and Material Science for Industry and Society (RACBMS 2018)”** organized by the Department of Industrial Chemistry held on 9

& 10th February 2018 at Kuvempu University, Shankaraghatta, Shivamogga-**Poster presentation**

4. One-pot Synthesis of Novel Pyrimidine Derivatives by Knoevenagel condensation as Potent Antimicrobial Efficiency. International Conference on “**Green Chemistry & Nanotechnology Opportunities and Challenges- 2017**” on February 27th- 28th, organized by the Department of Chemistry, Food Science and Technology and DDU Kaushal Kendra of St Aloysius College, Mangaluru-**Oral presentation**
5. One-pot Synthesis of Novel Pyrimidine Derivatives Incorporated with Benzothiazole as Potent In-vitro Antimicrobial Agents. International Conference on “**Bridging Innovations in Pharmaceutical, Medical and Bio Sciences**” on 11th-12th February 2017 organized by INNOPHARM 2 at Bhopal, MP-**Oral presentation**
6. Synthesis of Some Novel 5,7-disubstitutedaryl-2-phenyl-5*H*-[1,3,4]thiadiazolo[3,2-*a*]Pyrimidine Derivatives and Evaluation of their Biological Activity. International Conference on **Science and Technology: Future Challenges and Solutions (STFCS-2016)** under Auspicious of JSPS and Event under Centenary Celebration of University of Mysore, Mysore during August 8-9th, 2016- **Poster presentation**
7. CAN Catalyzed One-pot Synthesis of 5-substituted-(1*H*-indol-3-yl)-1-(6-substituted-2-oxo-2*H*-chromen-3-yl)allylidene)pyrimidine Derivatives as Potent Antimicrobial Agents. “**9th KSTA Annual Conference on Science, Technology and Innovations**” in the 21st century jointly organized by Karnataka Science and Technology Academy and Christ University held during 20-21st December 2016- **Poster presentation**
8. Efficiency of Nonaflates as better leaving groups in the Palladium Catalyzed Cross-coupling Reactions of Coumarin Analogues. Three days International Conference on “**Green Chemistry: Catalysis, Energy and Environment (ICGC-2015)**” during January 22-24, 2015, organized by Dept of Chemistry, Goa University, Goa - **Poster presentation**
9. Synthesis, Antimicrobial and Antioxidant Activity of Chalcones Containing Thiobarbitone Derivatives. UGC Sponsored National Conference on “**Recent Trends in Medicinal Chemistry**” at organized by Dept of Chemistry, Jyoti Nivas College (Auto) (3 & 4th sept 2014). Bangalore - **Poster presentation**

b) International/National Seminars/Symposia/Conferences/Workshops: Attended

1. National Webinar on “**Integrating energy, climate change and development**” conducted by Dept. of Manegement Mizoram University, on 8th September 2020
2. Workshop on “**Indo-German Research Proposal Writing**” conducted by KSTA Bengaluru on 10th October 2019.

3. Two-Days National level Seminar on “**Recent Developments in Chemical Sciences (RDSCS-2018)**” conducted by Dept of Chemistry and Industrial Chemistry, held at Sahyadri Science College, Shivamogga on 28-29th December 2018.
4. Two-Day Workshop on “**Role of plant taxonomy in conservation of biodiversity**” conducted by Dept of Applied Botany, Jnana Sahyadri, Shankaraghatta on 10-11th November 2016.
5. Three-Day Workshop on “**Domestic Plants and Kitchen Your Medicinal Box (DPK-YMB-2016)**” Organized by Dept of Chemistry in association with regional institute for metabolic disorders and Indian Institute of Ayurvedic medicine and research, Bengaluru on July 28th-30th 2016.
6. Two Day National Conference on “**Impact of Chemical Biology on Society (NCICBS – 2012)**” organized by Dept. of Industrial Chemistry, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga during April 26-27th, 2012.
7. Two Day National seminar on “**Progress in Biomedical Research and its Impact on Human Health (NCICBS-2012)**” organized by Dept. of Biochemistry, Kuvempu University, Jnana Sahyadri, Shankaraghatta, Shimoga during April 2-3th, 2012.

12. Research Area.

- Synthesis of Heterocyclic Compounds
- Catalysis
- Bioorganic Chemistry
- Natural Products
- Spectroscopy
- Electrochemical Studies
- Optoelectronics
- DSSCs

Place: Shankaraghatta

Date: 18-05-2022



(Dr. Talavara Venkatesh)