

CURRICULAM VITAE

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Career objective: To pursue a challenging career in teaching and research field of Chemistry.

Professional Records:

Institution name	From	To	Position/Title	Nature of work	Duration
Davangere University, Davangere	Aug-19	Till date	Assistant Professor	Teaching chemistry to PG students and Research in chemistry	Currently working
Ramaiah Institute of Technology, Bangaluru	Aug-16	Aug-19	Assistant Professor	Teaching engineering chemistry and Research in chemistry	3 years
MVJ College of Engineering, Bengaluru	Jul-15	Aug-16	Assistant Professor	Taught engineering chemistry and Research in chemistry	1 year
The Maratha Mandal, Belagavi	Jul-14	Jul-15	Assistant Professor	Taught chemistry to PG students	1 year
Universiti Teknologi Malaysia.	Jun-13	May-14	Postdoctoral Research Fellow	Research: Profiling of plant metabolites.	1 year
Pohang University of Science and Technology, South Korea	Apr-12	Feb-13	Postdoctoral Research Fellow	Development of new detection systems for the detection of biomarkers (proteins) by aptamers	1 year
Apotex Pharma chem India Pvt Ltd, Bengaluru	Sep-08	Nov-11	Research Associate	Development of analytical methods for drugs	3 years, 2 months
Karnatak University, Dharwad	Jun-06	May-07	Guest Lecturer (Part time)	Taught chemistry to PG students	1 year
Vijayanagar College, Hospet	Aug-04	Mar-05	Lecturer	Taught chemistry to PUC students	7 months

Summary of professional career:

Academic – 12 years

Industry – 3 years

Postdoctoral Studies in abroad– 2 years

➤ Educational qualification:

- **Post-doctoral Studies** (2013-14): Institute of Bioproduct Development (IBD), Universiti Teknologi Malaysia (UTM), Johor Bahru, Malaysia.

Nature of work: Profiling of plant metabolites by HPLC, GCMS, and UPLC.

- **Post-doctoral Studies** (2012-13): Department of Chemistry, Pohang University of Science and Technology (POSTECH), Pohang, Republic of Korea (Lists Top 1 among 25-year-old young Universities in the world).

Nature of work: Development of new detection systems for the detection of biomarkers (proteins) by aptamers.

- **PhD in Chemistry** (2005-2009): Analytical Chemistry, from Karnatak University, Dharwad, India.

PhD title: Development of analytical methods for the assay of drugs and investigations on the interactions of some bio-active compounds.

- **M.Sc** (1st Class with 2nd Rank) in Chemistry – (2002-2004): Gulbarga University, Gulbarga, India.

Subjects studied during Master of Science (M. Sc): Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Pharmaceutical Chemistry, Analytical Chemistry.

➤ Summary of the research work during PhD:

- ◆ In vitro studies on the interaction of biological macromolecules (Human serum albumin, Bovine serum albumin) with potentially active (bioactive) compounds employing instruments like Spectrofluorimetry, Spectropolarimetry, UV Spectrophotometry, Time correlated single photon counting method (TCSPC) (pico second), etc.
- ◆ Analytical method development for the assay of drugs in pharmaceutical formulations and also the bioassay (in biological fluids) of some selected drugs using HPLC, GC, Spectrophotometry techniques.

➤ Professional skills and abilities:

- Proficient in teaching various topics in chemistry, like Engineering chemistry, Analytical chemistry, Chromatography, Separation science, Solid state chemistry, Medicinal chemistry, etc.
- Capable of prioritizing a varied workload
- Self-motivated and capable of working in a team/independently.
- Effective lab management including mentoring undergraduate, graduate, masters and PhD students.

➤ Research interests:

- Synthesis of heterocyclic molecules and their biological activities.
 - Molecular Docking and DFT Studies.
 - Ligand-protein interactions.
 - Chromatography/Separation Chemistry.
 - Electro-analytical chemistry, Bio-analytical chemistry.
 - Development of analytical methods for related compounds in active pharmaceutical ingredients, environmental trace elements by employing sophisticated instruments like HPLC, GC, GC-MS, LC-MS, GC-MS, etc.
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➤ Invited talks delivered

4. Topic: The alchemy of inquiry: Turning curiosity into knowledge – Mastering the universal language of research methodology.
Event: Workshop on research methodology, held at Soundarya Institute of Management and Science, Bangalore, Karnataka.
On: 10th April, 2026.
3. Topic: HPLC: A versatile separation technique.
Event: Special Invited Lecture, held at Saintgits College of Engineering, Thiruvananthapuram, Kerala.
On: 27th Nov, 2025.
2. Topic: Future Professional Perspectives of Chemistry.
Event: Special Invited Lecture, held at Vijayanagara College, Hosapete, Vijayanagara (Dist), Karnataka.
On: 22nd Dec 2022.
1. Topic: Chromatography: The best separation technique.

Event: International webinar on emerging trends in chemical sciences, held at PG Department of Chemistry, Vijaya College, RV Road, Bengaluru-560 004 INDIA
On: 28th & 29th Jan 2021

➤ Research Projects

2. Karnataka State Council for Science and Technology (KSCST), 46th Series of Student Project Programme-2023. (Project Reference No. : 46S_MSc_095)

Title of the project: The Study of (E)-4-((2-oxo-1,2-diphenylethylidene) amino) benzoic acid Based Metal Complexes as Electrode Material for Li-ion Battery.

Amount Sanctioned: INR 8000/-

Year of Sanction: 2023

Students: Rakesh BM, Avinash CM, Chetan V, Kallesh AN.

Role: Guide.

1. UGC Start-up Grant.

Title of the project: Studies on the interactions between bioactive nanoparticles and serum albumins by spectroscopic and molecular docking studies.

Amount Sanctioned: INR 10 lakhs

Year of Sanction: 2021

Role: Principal Investigator.

Details of the PhD Students

Name of the student	Title	Registration Year	University	Status
Ongoing				
Venkatesham B	Synthesis of triazoles, their biological activities and molecular docking studies	2024-25	Davangere University	Ongoing
Chetan R	Synthesis of pyrazole derivatives, their biological activities, in vitro and in silico studies on their interactions with carrier proteins.	2024-25	Davangere University	Ongoing
Akash R. B.	Exploring the novel N-containing heterocyclic compounds: Design, synthesis, <i>in vitro</i> protein interaction studies and <i>in silico</i> ADMET analysis with molecular docking	2023-24	Davangere University	Ongoing
Thalavara Maruthi	Synthesis of new biologically active thiazoles and in vitro and in silico studies on their interactions with serum	2023-24	Davangere University	Ongoing

Completed				
Nandeesh IM 1MS17PGA07	Development of novel analytical methods for the assay of selected drugs	2016-17	Visvesvaraya Technological University, Belagavi	Awarded in September 2023

Membership of professional organizations/bodies

1. Life member of The Indian Science Congress Association [L32157]

Responsibilities

1. 2026-Till date: Nodal Officer, Davangere University for Karnatak State Council for Science and Technology (KSCST), Bengaluru.
2. 2025-26: Member, BoE, Department of Studies in Chemistry, Davangere University, Davangere.
3. 2024-Till date: Nodal officer, Davangere University for UGC Scholarship and Fellowship.
4. 2025-26: Assistant Co-ordinator for UG Science examination.
5. 2025-26: Member, BoE, Department of Studies in Pharmaceutical Chemistry and PhD Course work, Kadur PG Centre, Kuvempu University, Shimoga. Karnataka
6. Nov 2024 - Jan 2025: Course co-ordinator, PG Centre, Chitradurga, Davangere University, Davangere.
7. 2024-27: Member, BoS, Department of Studies in Chemistry, Saintgits College of Engineering, Kottayam, Kerala.
8. 2023-24: Member, BoE, Department of Studies in Pharmaceutical Chemistry, Kadur PG Centre, Kuvempu University, Shimoga. Karnataka
9. 2022-Till date: Assistant Co-ordinator, University Scientific Instrumentation Center (USIC), Davangere University, Davangere.
10. 2021-2025: Co-ordinator, IQAC, Department of Studies in Chemistry, Davangere University, Davangere.
11. 2021-22: Member, BoE, Department of Studies in Chemistry, Davangere University, Davangere.
12. 2019-22: Member, BoS, Department of Studies in Chemistry, Davangere University, Davangere.

Awards

1. Indian National Science Academy (INSA) visiting Scientist award-2021FY 2021-22, to visit Indian Institute of Science, Bangalore.

Publications

➤ Patents:

7. **UK Design Grant**

Portable ventilator for asthmatic conditions. (UK Design Grant). Patent No: 6342896. Grant dated: 05-02-2024. (Date of filing 29-01-24).

6. **UK Design Grant**

Automated haematology analyzer. (UK Design Grant). Patent No: 6342898. Grant dated: 05-02-2024. (Date of filing 29-01-24).

5. **UK Design Grant**

Handy digital precision fluorometer. (UK Design Grant). Patent No: 6342897. Grant dated: 05-02-2024. (Date of filing 29-01-24).

4. **UK Design Grant**

Touch interfaced portable clinical chemistry analyzer. (UK Design Grant). Patent No: 6342899. Grant dated: 05-02-2024. (Date of filing 29-01-24).

3. **UK Design Grant**

Multi-terminal immune analyzer.

(UK Design Grant). Patent No: 6342900. Grant dated: 05-02-2024. (Date of filing 29-01-24).

2. **Indian Patent.**

A process for synthesis of GDXSRO:CDO nanostructures.

Patent No. 398977, Granted date: 29th Nov, 2021.

Contributors: Vinayak Adimule, Basappa C Yallur, Sheetal R Batakurki, Malathi, Challa, [Manjunatha D. H](#), Ravi Sankannavar, Gangadhar Bagihalli, Santosh S Nandi.

1. **Australian Patent.**

A process for synthesis of chromium doped tellurium dioxide nanostructures for EGFET pH sensor application. Patent No. 2021104485, Granted date: 25th May, 2022.

Contributors: Vinayak Adimule, Basappa C Yallur, Sheetal R Batakurki, Malathi, Challa, [Manjunatha D. H](#), Ravi Sankannavar, Rajeev Joshi, Pallav Gupta, Santosh S Nandi.

➤ Books:

2. A Textbook of Engineering Chemistry. Authors: C. Muthukumar, Manjunatha DH, Gurushantha K. Publisher: Himalaya Publishing House. Year of Publication: 2018. ISBN:978-93-5299-373-4

1. A concise Textbook on Engineering Chemistry. Authors: C. Muthukumar, Siju N Antony, [Manjunatha D. H](#). Publisher: Himalaya Publishing House. Year of Publication: 2016. ISBN:978-93-5262-298-6

➤ Book Chapters:

4. A Brief Review on Chromatographic Methods for the Quantification of Favipiravir (Chapter-5).
Title of the book: Chromatographic Methods and Research.
Pages: 149-169, 2023
Publisher: Nova Science Publishers, Inc. (USA)
I. M. Nandeesha, G. Nagalakshmi, K. Umesha, B. C. Yallur, T. M. Veeresha and [D. H. Manjunatha*](#)
ISBN: 979-8-89113-203-0
 3. Nanotechnology Green Synthesis of Nanomaterials (Ch-10).
Title of the book: Nanotechnology: Current Uses, Future Applications in Biomedicine.
Pages: 137-147. 2023.
Publisher: Shineeks Publishers (USA)
Amith Yadav H. J, [Manjunatha D. H](#), V. S. Patil, R. C. Baratakke, S. B. Kakkalameli, Kalasad M. N.
ISBN: 978-1-63278-970-9
 2. Intense Classification of Nanomanufacturing (Ch-3). Title of the book: Nanomanufacturing and Nanomaterials Design: Principles and Applications. Pages: 31-44. 2023.
Publisher: CRC Press (Taylor & Francis Group)
H.J. Amith Yadav, [D.H. Manjunatha](#), D. Gayathri, V.S. Patil and M.N. Kalasad.
ISBN: 978-1-032-08168-7 (hbk); ISBN: 978-1-032-11586-3 (pbk); ISBN: 978-1-003-22060-2 (ebk)
DOI: 10.1201/9781003220602-3
 1. Flavonoids and Antioxidants in Medicinal Plants from Malaysia (Ch-2). Book series: Recent progress in medicinal plants. Volume name & no: Flavonoids and antioxidants & 40. Pages: 22-35. 2014.
Publisher: Studium Press LLC, USA.
Lee Suan Chua, Nur Fashya Musa, Norliza Abdul Latiff, Ismail Ware, Muna Mohamed, Syed Hidayathulla and [Manjunatha Devagondanahalli Hadagali](#)
ISBN of series: 0-9656038-5-7. ISBN of volume: 1-62699-077-8.
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Research Publications

(h-index: 19; i10-index:25; Total citations: 1437)

➤ Review articles:

06. Thiazoles: Synthesis, biological activities and their interaction studies with serum albumins. Maruthi T, Akash R.B, Yallur B.C, [Manjunatha D. H*](#).
Total Chemistry (ISSN: 3050-581X) (Elsevier Publications)
2025, 1, 100006.
<https://doi.org/10.1016/j.totche.2025.100006>
05. Pharmaceutical perspectives of thiazole analogues: An overview.
Archana R. Patil, Basappa C. Yallur, Sampath Chinnam, Guddekoppa S. Ananthnag,
C.R. Santhosh, Geetika Pant, S.G. Prasanna Kumar, [Manjuanth D. Hadagali](#).
Results in Chemistry (ISSN: 2211-7156)
2024, 12, 101820.
<https://doi.org/10.1016/j.rechem.2024.101820>
IF: 2.5
04. Nanomaterials for Forensic Applications: A Review.
H.J. AmithYadav, B. Eraiah, M.N. Kalasad, [Manjunatha D Hadagali](#)
International Journal of Materials, Manufacturing and Sustainable Technologies
(IJMMST) (ISSN: 2583-6625)
2022, 1(1), 4-11.
<https://doi.org/10.56896/IJMMST.2022.1.1.002>
03. A Mini Review on COVID-19 Assays.
[Manjunatha D. H.](#)
Karnatak University Journal of Science (ISSN: 0075-5168)
2020, 51, 70-78
02. Advancement of sensitive sniffer bee technology.
[Manjunatha D. Hadagali*](#), Chua L. Suan.
Trends in Analytical Chemistry (ISSN: 01659936)
2017, 97, 153-158.
DOI: 10.1016/j.trac.2017.09.006.
IF: 13.1
01. The antiinflammatory and wound healing properties of honey.
[Manjunatha Devagondanahalli Hadagali*](#), Lee Suan Chua.
European Food Research and Technology (ISSN: 1438-2377)
2014, 239(6), 1003–1014.
DOI: 10.1007/s00217-014-2297-6.
IF: 3.4

➤ Research articles:

48. Coordination induced photoluminescence enhancement in Isatin-based ligand by Cu(II) and Zn(II).
Prasanna S. Benakannavar, Maya Pai M, Eliza Ahmed, [D.H. Manjunatha](#), T. Maruthi.
Polyhedron (Elsevier) (ISSN: 1873-3719)
2026, 297, 118301
<https://doi.org/10.1016/j.poly.2026.118301>
IF: 2.8
47. Cascade Annulation Approach to Thiazolo [3, 2-a] pyrimidine-Thiosemicarbazones: Antioxidant, α -Amylase Inhibition, and Computational Studies.
Eliza Ahmed, Prasanna S Benakannavar, Basappa C Yallur, Raviraj Kusanur, [D. H. Manjunatha](#), T Maruthi, Maya Pai, Sheetal R Batakurki.
Journal of Molecular Structure (Elsevier) (ISSN:0022-2860)
2026, 1375, 146849.
<https://doi.org/10.1016/j.molstruc.2026.146849>
IF: 4.9
46. Experimental and theoretical investigation into the structural and anticancer properties of sulfadiazine-derived azo dyes: A DFT and molecular docking approach.
Sneha Parameshwarappa, Keerthikumar T. Chinnagiri, Ramyakumari T. Chinnagiri, [D. H. Manjunatha](#), T. Maruthi.
Bioorganic Chemistry (Elsevier). (ISSN 0045-2068).
2006, 179, 109973.
<https://doi.org/10.1016/j.bioorg.2026.109973>
IF: 4.7
45. Spectroscopic probing of the binding mechanism between ag-doped CaO nanoparticles and bovine serum albumin.
Maruthi Thalavara, Akash R. Barikar, Muttanagoud N. Kalasad, T.M. Veeresha, Arunkumar T. Buddanavar, [Manjunatha D. Hadagali*](#).
Inorganic Chemistry Communications (Elsevier). (ISSN: 1387-7003)
2026, 189, 116728,
<https://doi.org/10.1016/j.inoche.2026.116728>
IF: 5.9
44. An assessment of the structural, electronic and optical properties of some hydrazinyl thiazoles: Insights from experimental and theoretical studies.
Maruthi Thalavara, Akash Revanasiddappa Barikar, Chethan Rajappa, Vijayalaxmi Basawantarao Patil & [Manjunatha Devagondanahalli Hadagali*](#).
Structural Chemistry (Springer) (ISSN: 1040-0400)
2026.
<https://doi.org/10.1007/s11224-026-02782-w>
IF: 2.2
43. Synthesis, molecular docking, ADMET and QSAR studies of novel thiazole analogues as MDA-MB-231 inhibitors.
T. Maruthi, R.B. Akash, [D.H. Manjunatha*](#), B.C. Yallur.
Journal of Molecular Structure (Elsevier) (ISSN:0022-2860)

2026, 1349, 143873

<https://doi.org/10.1016/j.molstruc.2025.143873>

IF: 4.9

42. Benzimidazothiazole derivatives: Synthesis and multifunctional evaluation for antioxidant, anticancer, and anti-inflammatory activities.

Archana R Patil, Joy H Hoskeri, Basappa C Yallur, Vinuta Kamat, [D H Manjunatha](#), Mahesh Akki.

Journal of Molecular Structure (Elsevier) (ISSN:0022-2860)

2026, 1349, 143835

<https://doi.org/10.1016/j.molstruc.2025.143835>

IF: 4.9

41. DFT and TD-DFT/CPCM Analysis and Pharmacokinetic Evaluation of 6-fluoro-4-hydroxy-2-methylquinoline: Spectroscopic, HOMO-LUMO, MEP, NLO, NBO, and Docking Insights with Human Serum Albumin.

Deepa H.K, Kalpana Sharma, A. Jagannatha Reddy, [Manjunatha D.H.](#)

International Journal of Modelling and Simulation (Taylor & Francis) (ISSN: 02286203)

2025, 1-16

DOI: <https://doi.org/10.1080/02286203.2025.2493666>

IF: 3.1

40. Synthesis and biological activities of novel Thieno[2,3-b]pyrrol-5-one derivatives: antioxidant and anticancer potential.

Maya Pai M, Yallur BC, [Manjunatha D Hadagali](#), Eliza Ahmed, Sheetal Batakurki, Raviraj Kusanur.

Journal of Sulfur Chemistry (Taylor & Francis) (ISSN: 17415993)

2025, 46 (3), 558-574.

DOI: <https://doi.org/10.1080/17415993.2025.2463482>.

IF:2.1

39. Novel and stability indicating RP-HPLC method development and validation for the determination of metformin HCl: A potential drug against diabetic disorder, in pure and pharmaceutical dosage forms.

Nagalakshmi R. Gujjar, [Manjunatha D. Hadagali](#), Basappa C. Yallur and Nandeesh Itigimatha.

Pharmaceutical Chemistry Journal (Springer) (ISSN:1573-9031; 0091-150X)

2024, 58(8), 1332-1338.

DOI: 10.1007/s11094-024-03278-9

IF: 0.837

38. Investigations on the complexation and binding mechanism of bovine serum albumin with Ag-doped TiO₂ nanoparticles.

Manjunath Lokolkar, Abhishek Udnoor, Mohd Sajid Ali, Umesha Katrahalli, Muttanagoud N Kalasad, Hamad A Al-Lohedan, [Manjunatha Devagondanahalli Hadagali*](#).

Physical Chemistry Chemical Physics (RSC). (Online ISSN: 1463-9084)

2024, 26, 26453.

<https://doi.org/10.1039/D4CP02056A>

IF: 2.9

37. Facile one-pot synthesis and characterization of ZnSe/HPMC nanocomposites.
Vismitha S. Patil, Nayana I. Sattigeri, S.C. Sharath, S.V. Halse, [D.H. Manjunatha](#), M.N. Kalasad.
Hybrid Advances (Elsevier) (Online ISSN: 2773-207X)
2024. 7. 100275
<https://doi.org/10.1016/j.hybadv.2024.100275>
36. Zinc Oxide Anchored Porous Reduced Graphene Oxide: Electrode Material for Sensing of Ezetimibe.
Naveenkumar P. Agadi, Nagappa L. Teradal, [Manjunatha D. H.](#) and Jaldappagari Seetharamappa.
Journal of The Electrochemical Society (ISSN: 1945-7111).
2024. 171. 037513.
DOI: 10.1149/1945-7111/ad2f78
IF: 3.9
35. Molecular spectroscopic and docking analysis of the interaction of fluorescent thiadicarbocyanine dye with biomolecule bovine serum albumin.
Umesha Katrahalli, GovindaswamyShanker, Debnath Pal, [Manjunatha Devagondanahalli Hadagali*](#)
Journal of Biomolecular Structure and Dynamics (ISSN:0739-1102 ;1538-0254)
2023, 41(20), 10702-10712
DOI: <https://doi.org/10.1080/07391102.2022.2158135>
IF: 5.235
34. Extractive spectrophotometric method for the determination of Oseltamivir Phosphate, Acyclovir and Famciclovir in pure and pharmaceutical formulations.
Nandeesh Itigimatha, Basappa C. Yallur and [Manjunatha D. Hadagali*](#)
Indian Drugs, (ISSN: 0019-462X)
2023, 60(8), 72-79.
DOI: <https://doi.org/10.53879/id.60.08.12879>
IF: 0.18
33. LC-MS/MS Method Development and Validation for the Determination of Favipiravir in Pure and Tablet Dosage Forms.
Nandeesh Itigimatha, Hadagali Ashoka, Basappa C. Yallur, [Manjunatha Devagondanahalli Hadagali*](#)
Turkish Journal of Pharmaceutical Sciences (ISSN: 1304-530X)
2023, 20(4), 226-233.
DOI: [10.4274/tjps.galenos.2022.75470](https://doi.org/10.4274/tjps.galenos.2022.75470)
IF: 0.95
32. Study of Temperature Effect on the Structure and Optical Properties of RIT- 62 Cu-MOFs.
Vinuta Kamat, Vinayak Adimule, Basappa C Yallur, [Manjunath D.H.](#), Sheetal Batakurki.
Engineering Chemistry (ISSN: 2813-6535)
2023, 2, 13-22, Published by Trans Tech Publications Ltd, Switzerland.

31. New analytical methods for the determination of new anti-viral drug, favipiravir: A potential therapeutic drug against COVID-19 virus, in bulk and dosage forms.
Nandeesh Itigimatha, Kailash S. Chadchan, Basappa C. Yallur, [Manjunatha D. Hadagali*](#).
Pharmaceutical Chemistry Journal (Springer) (ISSN:1573-9031; 0091-150X)
2023, 56(10), 1419-1425
DOI: 10.1007/s11094-023-02807-2
IF: 0.837

30. Monitoring the interactions between bovine serum albumin and ZnO/Ag nanoparticles by spectroscopic techniques.
Abhishek Udnoor, Manjunath Lokolkar, Basappa C. Yallur, Raju Kale, Muttanagoud N. Kalasad, Umesha Katrahalli & [Devagondanahalli H. Manjunatha*](#).
Journal of Biomolecular Structure and Dynamics (ISSN:0739-1102 ;1538-0254)
2023, 41(1), 352-365
DOI: [10.1080/07391102.2021.2006788](https://doi.org/10.1080/07391102.2021.2006788)
IF: 5.235

29. Effect of N-, S- and O-Substitutions of Isophthalic Acid Derivatives on their Binding Properties: An *In-Silico* Approach.
K. N. Prathibha1, B. V. Nagesh, Basappa C. Yallur, T. M. Veerasha, Sheetal R. Batakurki, [D. H. Manjunatha](#), Archana R. Patil and Vinayak M. Adimule
Journal of Mines, Metals and Fuels (ISSN: 0022-2755)
2023, 71(12C), 143-148
DOI: [10.18311/jmmf/2023/47249](https://doi.org/10.18311/jmmf/2023/47249)

28. Liquid Chromatographic Method Development and Validation for the Simultaneous Determination of Phenylephrine Hydrochloride, Paracetamol, Caffeine and Diphenhydramine Hydrochloride in Pure and Formulations.
Nandeesh IM, Basappa C. Yallur, [Manjunatha D. Hadagali*](#).
Research J. Pharm. and Tech (ISSN: 0974-3618 ;0974-360X)
2022, 15(9):3993-3998.
DOI: [10.52711/0974-360X.2022.00669](https://doi.org/10.52711/0974-360X.2022.00669)
IF: 0.87

27. Synthesis of Ag nanoparticles capped by thiol molecules.
Maheshkumar, V.S. Patil, H.J. Amith Yadav, [D.H. Manjunath](#), S.V. Halse, M.N. Kalasad.
Materials Today: Proceedings. (ISSN: 2214-7853)
2022, 67(1), 201-204
DOI: <https://doi.org/10.1016/j.matpr.2022.06.289>

26. Simple and Sensitive RP-HPLC and UV Spectroscopic Methods for the Determination of Remogliflozin Etabonate in Pure and Pharmaceutical Formulations.
Nandeesh ITIGIMATHA, Kailash S. CHADCHAN, Basappa C. YALLUR, [Manjunatha D. Hadagali*](#)
Turkish Journal of Pharmaceutical Sciences (ISSN: 1304-530X)
2022, 19(2), 213-219
DOI: [10.4274/tips.galenos.2021.55381](https://doi.org/10.4274/tips.galenos.2021.55381)
IF: 0.95

25. Preparation of colloidal Ag nanoparticles.
Santosh R. Mannopantar, H.H. Bendigeri, V.K. Kulkarni, V.S. Patil, [D.H. Manjunatha](#), M.N. Kalasad.
Materials Today: Proceedings. (ISSN: 2214-7853)
2022, 60(2) 1156-1159
DOI: <https://doi.org/10.1016/j.matpr.2022.03.152>

24. Design, Synthesis, Anticancer Evaluation, and Molecular Docking Studies of Novel BenzoxazoleLinked 1,3,4-Oxadiazoles.
SushmithaBujji, Praveen Kumar E, SreeKanth Sivan, [Manjunatha D. H.](#) and Subhashini N.J.P.
Anti-Cancer Agents in Medicinal Chemistry (ISSN: 1875-5992 ; 1871-5206)
2022, 22(5) 933-942
DOI: [10.2174/1871520621666210706120203](https://doi.org/10.2174/1871520621666210706120203)
IF: 2.8

23. BSA interaction and DNA cleavage studies of newly synthesized anti-bacterial Benzothiazol-2-yl-malonaldehyde.
Umesha Katrahalli, Basappa Channabasappa Yallur, [Devagondanahalli Hadagali Manjunatha*](#), Panchangam Murali Krishna.
Journal of Molecular Structure (ISSN:0022-2860)
2019, 1196 (11), 96-104.
DOI:[10.1016/j.molstruc.2019.06.062](https://doi.org/10.1016/j.molstruc.2019.06.062)
IF: 4.7

22. BSA binding and antimicrobial studies of newly synthesized 5, 6-Dihydroimidazo [2,1-b]thiazole-2-carbaldehyde.
Basappa Chanabasappa Yallur, UmeshaKatrahalli, PanchangamMurali Krishna, [Manjunatha Devagondanahalli Hadagali*](#).
Spectrochimica Acta Part A (ISSN: 1386-1425)
2019, 222 (11), 117192.
DOI:[10.1016/j.saa.2019.117192](https://doi.org/10.1016/j.saa.2019.117192)
IF: 4.4

21. RP-HPLC-UV method development and validation for simultaneous determination of terbutaline sulphate, ambroxol HCl and guaifenesin in pure and dosage forms.
Itagimatha Nandeesha, [Manjunatha D. Hadagali*](#).
Annales Pharmaceutiques Françaises (ISSN: 00034509)
2019, 77(4), 295-301.
DOI:<https://doi.org/10.1016/j.pharma.2019.02.004>.
IF: 1.3

20. Honeybee as a Biosensor: Detection of a Medicinal Plant Adrographis paniculata.
[Manjunatha Devagondanahalli Hadagali](#) and Lee Suan Chua.
Research Journal of Chemistry and Environment (ISSN: 0972-0626)
2019, 23 (2), 19-22.
DOI: -
IF: 0.14

19. Determination of rivaroxaban in pure, pharmaceutical formulations and human plasma samples by RP-HPLC.
[Manjunatha Devagondanahalli Hadagali](#).
International Journal of Advances in Pharmaceutical Analysis (ISSN: 2277-9353)
 2015, 5 (3), 65-68.
18. Cationic surfactant-based colorimetric detection of plasmodium lactate dehydrogenase, a biomarker for malaria, using the specific DNA aptamer.
 Lee S, [Manjunatha DH](#), Jeon W, Ban C.
PLoS ONE (ISSN: 1932-6203)
 2014, 9(7): e100847.
DOI:10.1371/journal.pone.0100847.
 IF: 3.7
17. A colorimetric aptasensor for the diagnosis of malaria based on cationic polymers and gold nanoparticles.
 W Jeon, S Lee, [DH Manjunatha](#), C Ban.
Analytical Biochemistry (ISSN; 00032697)
 2013, 439 (1), 11-16.
DOI:10.1016/j.ab.2013.03.032
 IF: 2.9
16. New extractive spectrophotometric methods for the determination of nortriptyline hydrochloride in pure form and pharmaceutical dosages.
[DH Manjunatha](#), J Seetharamappa, PB Kandagal, SS Kalanur.
Journal of Analytical Chemistry (ISSN: 1061-9348)
 2009, 64 (5), 462-466.
DOI:10.1134/S1061934809050062
 IF: 1.1
15. Diazocoupling reaction for the spectrophotometric determination of physiologically active catecholamines in bulk and pharmaceutical preparations.
 SMT Shaikh, [DH Manjunatha](#), K Harikrishna, KC Ramesh, RS Kumar, J Seetharamappa. **Journal of Analytical Chemistry** (ISSN: 1061-9348)
 2008, 63 (7), 637-642.
DOI:10.1134/S106193480807006X
 IF: 1.1
14. Mechanism of interaction between human serum albumin and N-alkyl phenothiazines studied using spectroscopic methods.
 PB Kandagal, SS Kalanur, [DH Manjunatha](#), J Seetharamappa.
Journal of Pharmaceutical and Biomedical Analysis (ISSN: 0731-7085)
 2008, 47 (2), 260-267.
DOI:10.1016/j.jpba.2008.01.027
 IF: 3.4
13. RP-HPLC method for the determination of tenofovir in pharmaceutical formulations and

spiked human plasma.

PB Kandagal, [DH Manjunatha](#), J Seetharamappa, SS Kalanur.

Analytical Letters (ISSN: 0003-2719)

2008, 41 (4), 561-570.

DOI:10.1080/00032710801910742

IF: 2.0

12. Simple and sensitive spectrophotometric methods for the determination of acebutolol hydrochloride in bulk sample and pharmaceutical preparations.
[DH Manjunatha](#), SMT Shaikh, K Harikrishna, R Sudhirkumar, PB Kandagal, J. Seetharamappa. **Eclética Química** (ISSN: 1678-4618)
2008, 33 (2), 37-40.
IF: 0.18
11. Electrochemical behavior of an anti-cancer drug at glassy carbon electrode and its determination in pharmaceutical formulations.
Shankara S. Kalanur, Jaldappagari Seetharamappa, Gangeenahalli P. Mamatha, [Manjunatha D. Hadagali](#), Pradeep B. Kandagal.
International Journal of Electrochemical Science (ISSN: 1452-3981)
2008, 3, 756 – 767.
DOI: -
IF: 1.5
10. Spectroscopic investigations on the mechanism of interaction of bioactive dye with bovine serum albumin.
SMT Shaikh, J Seetharamappa, PB Kandagal, [DH Manjunatha](#), S Ashoka.
Dyes and Pigments (ISSN: 0143-7208)
2007, 74 (3), 665-671.
DOI:10.1016/j.dyepig.2006.04.010
IF: 4.5
09. High-performance liquid chromatographic determination of parecoxib in human plasma and pharmaceutical formulations.
SMT Shaikh, [DH Manjunatha](#), J Seetharamappa, PB Kandagal.
Analytical Letters (ISSN: 0003-2719)
2007, 40 (15), 2925-2934.
DOI:10.1080/00032710701606267
IF: 2.0
08. Spectroscopic studies on the binding of bioactive phenothiazine compounds to human serum albumin.
PB Kandagal, SMT Shaikh, [DH Manjunatha](#), J Seetharamappa, BS Nagaralli.
Journal of Photochemistry and Photobiology A: Chemistry (ISSN: 10106030)
2007, 189 (1), 121-127.
DOI:10.1016/j.jphotochem.2007.01.021
IF: 4.4
07. In vitro study on the binding of anti-coagulant vitamin to bovine serum albumin and the

influence of toxic ions and common ions on binding.
 SMT Shaikh, J Seetharamappa, PB Kandagal, [DH Manjunatha](#).
International Journal of Biological Macromolecules (ISSN: 01418130)
 2007, 41 (1), 81-86.
DOI:10.1016/j.ijbiomac.2007.01.004
 IF: 8.2

06. Determination of cinnarizine in pure and pharmaceutical formulations.
[MH Devagondanahalli](#), SMT Shaikh, S Jaldappagari, SK Ramanaboyina, H Kasalanti. **Journal of the Chinese Chemical Society** (ISSN: 2192-6549)
 2007, 54 (1), 63-68.
DOI:10.1002/jccs.200700011
 IF: 1.8
05. Binding of trazodone hydrochloride with human serum albumin: A spectroscopic study.
 PB Kandagal, J Seetharamappa, SMT Shaikh, [DH Manjunatha](#).
Journal of Photochemistry and Photobiology A: Chemistry (ISSN: 1010-6030)
 2007, 185 (2), 239-244.
DOI:10.1016/j.jphotochem.2006.06.015
 IF: 4.4
04. Determination of nortriptyline hydrochloride in bulk and pharmaceutical formulations.
 R Sudhir Kumar, [DH Manjunatha](#), J Seetharamappa, K Harikrishna, SMT Shaikh.
Chemia analityczna (ISSN: 0009-2223),
 2007, 52 (2), 337-346.
DOI: -
 (Now merged with Analytical and Bioanalytical Chemistry – ISSN: 16182642)
 IF: 4.3
03. Study of the interaction between doxepin hydrochloride and bovine serum albumin by spectroscopic techniques.
 PB Kandagal, J Seetharamappa, S Ashoka, SMT Shaikh, [DH Manjunatha](#).
International Journal of Biological Macromolecules (ISSN: 01418130)
 2006, 39 (4), 234-239.
DOI:10.1016/j.ijbiomac.2006.03.027
 IF: 8.2
02. Sensitive extraction spectrophotometric methods for the determination of trazodone hydrochloride in pure and pharmaceutical formulations.
 K Harikrishna, SR Kumar, J Seetharamappa, [DH Manjunatha](#).
Journal of the Serbian Chemical Society (ISSN: 0352-5139)
 2006, 71 (7), 829-837.
DOI:10.2298/JSC0607829H
 IF: 1.1
01. Sensitive extractive spectrophotometric methods for the determination of trazodone hydrochloride in pharmaceutical formulations.
 R Sudhir Kumar, [DH Manjunatha](#), SMT Shaikh, J Seetharamappa, K Harikrishna.
Chemical and Pharmaceutical Bulletin (ISSN: 0009-2363)
 2006, 54 (7), 968-971.

DOI: <https://doi.org/10.1248/cpb.54.968>

IF: 1.7

➤ Conferences/Symposium

10. International Conference on Current Innovations in Chemical and Applied Sciences (CICAS - 2026), organized by Department of Chemistry, Bangalore University, Bengaluru, Karnataka, India, during 5th - 6th February, 2026.
Paper Presented: Synthesis, in silico and in vitro antioxidant and antidiabetic evaluation of 4,5,6,7-tetrahydrobenzothiazole-6-yl amide derivatives, Maruthi T., Akash R. B., Chethan R. and **Manjunatha D. H.*** (Proceeding Poster poster no PP81, PP14, PP23).
9. International Conference on Applied Research in Engineering Sciences (ICARES - 2022), organized by Department of Physics, Chemistry, Mathematics and Humanities, Ramaiah Institute of Technology, Bengaluru, Karnataka, India, during 24th -25th November, 2022
Paper Presented: Stability Indicating RP-HPLC Method Development and Validation for the Determination of Potential Anti-Diabetic Drug in Pure and Pharmaceutical Dosage Forms, Nandeesh I. M., Nagalakshmi G, Basappa C. Yallur, Manjunatha D. H.* (Proceeding oral poster no 0219).
8. International Conference on Advanced Materials Science and Applications (ICAMSA-2020), organized by Department of Physics, Ramaiah Institute of Technology, Bengaluru, Karnataka, India, during 3rd-4th September, 2020
Paper Presented: Recent Advances in Metal Oxide Nanocrystals, by B.Saraswathi1, Vismitha S. Patil, S. V. Halse, **D. H.Manjunath** and M. N. Kalasad (Proceeding p no 167).
7. 1st International Conference on Life, Chemical, and Health Sciences (CLCHS-2019). Organised by Department of Life Sciences, Ramaiah College of Arts, Science and Commerce (RCASC), In-collaboration with Department of IT, BT, and S&T, Karnataka Science and Technology Academy (KSTA) Government of Karnataka, India (24th – 26thOctober 2019).
Paper presented: Extractive spectrophotometric method for the determination of Oseltamivir Phosphate, Acyclovir and Famciclovir in pure and pharmaceutical formulations by Nandeesh IM, Basappa C Yallura, **Manjunatha D. Hadagali**. (Proceeding p no 59).
ISBN (Proceedings Book): 978-81-927564-3-1
6. International symposium on Developing Drugs for Tomorrow (Challenges and Opportunities). Adichunchanagiri Institute for Molecular Medicine, (AIMS), BG Nagara, Karnataka (1st& 2nd January, 2018).
Paper presented: Method development and validation for simultaneous determination of terbutaline sulphate, ambroxol HCl, guaifensin in pure and dosage form by RP-HPLC method by Nandeesh IM, **Manjunatha DH**.
5. National Seminar on Scenario of Research and Business Opportunities in Medicinal and Aromatic Plants. Kuvempu University, Shimoga.Karantaka. (29th -31st December, 2003).
Paper presented: Antimicrobial activity of Cleome viscosa Linn.
4. Emerging Trends and New Vistas in Chemistry (EMTIC-2005) Calicut University, Calicut, Kerala. (29th- 30th November, 2005).
Paper presented: New spectrophotometric method for the determination of sulfamethoxazole in pharmaceutical formulations.
3. 2nd International Symposium on Drug Discovery and Process Research (DDPR-2006) Jawaharlal Nehru Medical College, KLE Society, Belgaum, Karnataka. (10th-12th February, 2006).

Paper presented: Sensitive spectrophotometric method for the determination of indomethacin in capsules

2. National conference in Chemistry (NCC-2006) Central College, Bangalore University, Bangalore, Karnataka. (27th – 29th September, 2006)

Paper presented: High-performance liquid chromatographic determination of deflazocort in pharmaceutical formulations and human plasma

1. National conference on emerging areas in chemical and biological sciences (NCEACB-2007) Kuvempu University, Shimoga. Karnataka. (23rd - 24th March, 2007).

Paper presented: High-performance liquid chromatographic method for the assay of metaprolol succinate in pharmaceutical formulations and human plasma.

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