

FACULTY PROFILE

1. Name (Block letters) : D r . J A Y A N N A N D
2. Date of Birth : 2 8 . 0 7 . 1 9 8 3
3. Mother tongue : K A N N A D A
4. Blood group : B + v e
5. Present designation : Asst. Professor in Chemistry
6. Category : S T
7. Residential Address : C/O Kumar Suryavamshi, Kanaka Nagar, Athani
8. Permanent Address : Janakal Post, Hosadurga Taluk, Chitradurga (D)
9. Mobile No: +91 9620817915
Email : jayanna07@gmail.com

10. Academic Qualifications: (from UG course)

Sl. No.	Qualification	University	Year of Passing	Class	Awards
1.	BSC	Kuvempu University	2005	First	
2.	M. Sc	Kuvempu University	2005	Distinction	3 rd Rank
3.	Ph D	Kuvempu University	2013		
4.	Post Doc Fellow	Kuvempu University	2018		

11. Service particulars:

- Working in **KLES Shri Shivayogi Murughendra Swamiji Arts, Science and Commerce College, Athani as Assistant Professor [From 26-02-2018 to till].**

Research: Synthetic organic Chemistry

- a) Title of the Research : - Synthesis and study of plausible biological activity
Benzoxazole derivatives
- b) Projects applied/VGST : Title of Minor project : “Synthesis and Characterization of Potential Benzoxazole derivatives targeting Antimicrobial and Anticancer activities”

Grant (in lakhs) :Rs. 5,00,000/-

c) Projects Submitted :VGST

Publications: National/international Peer reviewed journals Details: 31

PATENT:

1. K. Nagarajan, R.P. Gupta, P.K. Patel, **N.D. Jayanna**, "A Process for the preparation of 1-benzyl-4-[(5,6-dimethoxy-1-indanon)-2-yl]methylpiperidine and acid addition salts thereof.", *Patent No.1162/CHE/2008 A*, Publication date: **20/11/2009**.
2. **N.D. Jayanna**, H.M. Vagdevi, J.C. Dharshan, R. Raghavendra, S.B. Telkar, "Synthesis, Antimicrobial, Analgesic Activity and Molecular docking studies of novel 1-(5,7-dichloro-1,3-benzoxazol-2-yl)-3-phenyl-1H-pyrazole-4-carbaldehyde derivatives" *Med Chem Res* DOI 10.1007/s00044-013-0565-9, 22, 5814-5822, **2013**.
3. **N.D. Jayanna**, H.M. Vagdevi, J.C. Dharshan, T.R. Prashith Kekuda, B.C. Hanumanthappa, B.C. Gowdarshivannanavar, "Synthesis and Biological Evaluation of Novel 5,7-dichloro-1,3-benzoxazole derivatives". *Journal of Chemistry, Hindwai Publishing Corporation, 2013*
4. **N.D. Jayanna**, H.M. Vagdevi, J.C. Dharshan and T.R. Prashith Kekuda, "Synthesis, antibacterial and antioxidant evaluation of novel 1-(5,7-dichloro-1,3-benzoxazol-2-yl)-1H-pyrazolo[3,4-b]quinoline derivatives" *Journal of Chemistry, Hindwai Publishing Corporation, 2013*.
5. **N.D. Jayanna**, H.M. Vagdevi, J.C. Dharshan and T.R. Prashith Kekuda, "Synthesis, Characterization, Antimicrobial, Antioxidant and Larvicidal activities of novel [1-(5,7-dichloro-1,3-benzoxazol-2-yl)-3-substitutedphenyl-1H-pyrazol-4-yl][methylene]aniline derivatives" *International Journal of Chemical Sciences*, 10(3), 1529-1540. **2012**
6. **N.D. Jayanna**, H.M. Vagdevi, J.C. Dharshan, "Synthesis of 6,8-dichloro-3-[(E)-1,2-diphenylethenyl] [1,2,4]triazolo[3,4-b][1,3]benzoxazole derivatives via Knoevenagel method-Study of antimicrobial and antioxidant activity". *Inventi Rapid: Med Chem*, 2014(3):1-6, **2014**.
7. Dharshan, K.A. Vishnumurthy, Y.D. Bodke, H.M. Vagdevi, **N.D. Jayanna**, R. Raghavendra, "Synthesis, characterization and antimicrobial activity of 7-methoxyquinoline-4- substituted 1,2,3-triazole derivatives". *Der Pharma Chemica*, 4(1), 272-281, **2012**.
8. Zaranappa, H.M. Vagdevi, **N.D. Jayanna**, K.P. Latha. "Synthesis, Characterization and evaluation of Antibacterial Activity of some 3-Substitutedphenylquinazoline-2,4-diones". *Der Pharma Chemica*, 4(4), 1754-1758, **2012**.
9. J C Dharshan, K A Vishnumurthy, Y D. Bodke, **N.D. Jayanna**. "Synthesis and Biological Evaluation of Novel 4-[4-(1,3-Benzoxazol-2-yl)-3-Phenyl-1H-Pyrazol-1-yl]-7-Methoxyquinoline Derivatives". *Inventi Rapid: Med Chem*, 2014(1): 1-6, **2013**.

10. Prashith Kekuda T R, Onkarappa R, Jayanna N D. "Characterization and Antibacterial activity of a Glycoside antibiotic from *Streptomyces variabilis* PO-178" *STAR journal* 3(4), 116-121, **2014**.
11. Rambabu Nunna, **N. D. Jayanna**, D. Ramachandran. "An Improved New path to synthesize Gemfibrozil". *Asian Journal of Chemistry* ,27 (3), 925-928, **2015**.
12. Ajish A D, Vagdevi H M, Asha K, **Jayanna N D**. "Potential Antimicrobial and Antioxidant Activities of *Myristica Dactyloides* gaetrn bark" *Int J Pharm & Pharm Sci*, 7(5), **2015**.
13. J C Dharshan, K A Vishnumurthy, Y D. Bodke, **N.D. Jayanna**, M D Shafeeulla. "Synthesis, Evaluation and Molecular docking studies of some Novel Pyrazolo [3,4-d]pyrimidine derivatives Associated with 7-Methoxy Quinoline" *Asian Journal of Organic and Medicinal Chemistry*, 1 (1), 10-16, **2016**.
14. Shreedhara S. H. Vagdevi H M, K, **Jayanna N D**, Raghavendra R, Kiranmayee P, Prabhu Das and Mohammed Shafeeulla R. "The in vitro Cytotoxic and Molecular Docking Studies of Newly Synthesized Fused Benzoxazole-Triazole Derivatives" *Journal of Chemical and Pharmaceutical Research*, 9(5):108-119, **2017**.
15. Shreedhara S. H. Vagdevi H M, K, **Jayanna N D**, Raghavendra R, Kiranmayee P, Prabhu Das and Mohammed Shafeeulla R. "In vitro cytotoxic, Antimicrobial and Antioxidant activity of 6-Chloro-2,3-dihydro[1,2,4]triazolo[3,4-b][1,3]benzoxazole Derivatives". *Research Journal of Pharmaceutical, Biological and Chemical Sciences*, 8(4), 835, **2017**.
16. Shreedhara S. H. Vagdevi H M, K, **Jayanna N D**, Raghavendra R, Subbaraju A. "Synthesis, in vitro Cytotoxic, Antibacterial and Antioxidant evaluation of 2-(1,3-benzoxazol-2-yl)-2,3-dihydrophthalazine-1,4-dione derivatives". *International Journal of Research in Pharmacy and Chemistry*, 7(3), 283-294, **2017**.
17. Naveen Aradhya S.V., Vishnumurthy K. A., Bhojya Naik H.S., Manjuraj.T., **Jayanna N D**. "Metal Complexes of quinolin-8-yl (1, 3-benzoxazol-2-ylsulfanyl)acetate: Spectral, XRD, thermal, molecular docking and biological evaluation". *IOSR Journal of Applied Chemistry*, 10(6), 36-43, **2017**.
18. Naveen Aradhya S.V., Vishnumurthy K. A., Bhojya Naik H.S., Manjuraj.T., **Jayanna N D**, Yuvaraj T.C.M., and Mohammed Shafeeulla R. Metal Complexes of S-(5-chloro-1,3-benzoxazol-2-yl)thiophene-2-carbothioate: Spectral, XRD, Thermal, Molecular Docking and Biological Evaluation. *Journal of Chemistry and Chemical Sciences*, Vol.7(8), 602-614, **2017**.
19. Shreedhara S. H. Vagdevi H M, K, **Jayanna N D**, Raghavendra R. Synthesis, Characterization and Evaluation of Cytotoxic, antibacterial and Molecular Docking Studies of Fused Heterocyclic 6aH,13H benz[4',5']oxazole[2',3',;2,3][1,3]thiazino[6,5-b]quinolin-13-one derivatives. *Int J Pharma Res Health Sci*. 5 (6): 2055-63, **2017**.
20. Shreedhara S. H. Vagdevi H M, **Jayanna N D**, Raghavendra R, Subbaraju A. Synthesis, Characterization and Evaluation of in vitro Cytotoxic, Antibacterial, Antioxidant activity and Molecular docking studies of nitro substituted benzoxazole

linked thiazolidine derivatives. *World journal of Pharmaceutical Research*, Vol.7(1), 859-878, **2018**.

21. Shreedhara S. H. Vagdevi H M, **Jayanna N D**, Manjuraj T. ZnCl₂ Catalysed One Pot Synthesis of Benzoxazole linked Thiazolidine Derivatives. *International Journal of Pharmacy and Biological Sciences*, 2018
22. Ashok Kumar N B, **Jayanna N D** and K P Latha. Design, Synthesis and Evaluation of In Vitro, Anti-Microbial Activity and Antioxidant Activities of Novel 2-[[1-(1-Acetyl-1H-Benzimidazol-2-Yl)Methyl]Sulfanyl]-6-Nitro-1,3-Benzoxazole Derivatives. *Journal of Pharmaceutical, Chemical and Biological Sciences*, 2018
23. Ashok Kumar N B, **Jayanna N D** and K P Latha. Synthesis and characterization of (2E)-1-[(6-nitro-1,3-benzoxazol-2-yl)sulfanyl]propan-2-oneN-[(1Z)-(4-chlorophenyl) methylidene]thiosemicarbazone Benzoxazole Derivatives and their biological Activities, *IJPAC*, 2018
24. Meghashree K S, Latha K P, Vagdevi H M, Ajish A D, Jayanna N D, Arunkumar N C. Screening of Phytochemical content and in vitro Biological investigation of *Canthium dicoccum* (gaertn.) and *Amischophacelus axillaris* (L.), *Asian Journal of Pharmaceutical and Clinical Research*, 2019.
25. Manjuraj T, Yuvaraj T C M, **Jayanna N D**, Shreedhara S. H, Sarvajith M. S. Spectral, DFT, molecular docking and antibacterial activity studies of Metal Complexes, *Journal of Turkish Chemical Society*, 2020
26. S.J. Aditya Rao, T.M. Venugopal, **N.D. Jayanna**, M. Paramesha and C.K. Ramesh. Bioactive Isolates of *Morus* Species as Antibacterial Agents, *Letters in Drug Design & Discovery*, 2021
27. **Jayanna N. D.**, Vagdevi H. M, Dharshan J. C, Manjuraj T. Shreedhara S. H. An efficient synthesis of 2-(6-methoxy-2-naphthyl)-1,3-benzoxazole using IBD/LTA: Reactivity, DFT, Anticancer and Larvicidal activities, *Asian J. Research Chem.* 2021
28. Shreedhara S. H, **Jayanna N D**, Manjuraj T, Yuvaraj T C M, Sarvajith M. S. Synthesis, characterization, DFT studies, antibacterial, cytotoxic and molecular docking studies of 3-chloro-1-[(6-nitro-1, 3-benzoxazol-2-yl) amino]-4-phenylazetid-2-one derivatives, *International Journal of Chemical and Biological Sciences*, 2021
29. Manjuraj T, Yuvaraj T C M, **Jayanna N D**, Sarvajith M. S. Design, Spectral, Thermal, DFT studies, antioxidant and molecular docking studies of pyrazole-based schiff base ligand and its metal (II) complexes, *Elsevier Material Today Proceedings*, 2021
30. Anees fathima, Vagdevi H. M, **Jayanna N D**, Mohammed Shafeeulla R, Subbaraju Design, Synthesis, Molecular Docking and Biological Evaluation of Novel 2-[(2-[[5-(Pyridin-4-yl)-1, 3, 4-Oxadiazol-2-yl]Sulfanyl]Ethyl)Sulfanyl]-1,3-Benzoxazole, *Journal of Pharmaceutical Research International*, 2021

31. Manjuraj T, Krishnamurthy G, Yuvaraj T C M, **Jayanna N D** Mohammed Shafeeulla R. Structural Characterization, DFT, Molecular Docking and Cytotoxic studies of Metal (II) Complexes derived from Thiosemicarbazide , Asian Journal of Chemical Sciences. 2022

13. Participation in Symposia, Seminars, Conferences and Workshops.

National	Total
04	04

14. Presentation of papers in Seminars, Symposia, Seminars, Conferences.

National	International	Total
02	02	04

Give details:

15. Details of participation and presentations in Conference/Workshops

:

- Title- New route to synthesis of Bis(Benzoxazole derivatives on 10&11 January 2019 at St Aloysius College, Mangalore. Paper presented in International Conference.
- Title- Synthesis, Characterization, Antihelmintic and DFT studies of 2-(1,3-benzoxazol-2-ylthio)quinoline-3-carbaldehyde on 18-20 March 2019 at University of Mysore. Paper presented in International Conference.
- Title- Versatile use of Polymers on 7 March 2019 at K.A. Lokapur College, Athani. Paper presented in National Conference.
- Title- Polymeric Membrane Material for Artificial Organs on 23 March 2018 at SSMS College, Athani. Paper presented in National Seminar.
- Participated in national level Workshop entitled “NAAC Revised Assesment and Accreditation Frame work” on 11 July 2018 at S. B. Arts and K.C.P Science College, Vijayapura.

- Participated in national level Conference entitled “Frontiers in Nuclear Science For Sustainable Development” on 11 July 2018 at S.V.S. Science College, Bailahongal
- Participated in national level Workshop entitled “New Guidelines of NAAC Accreditation” on 24 febraury 2020 at G. H. College, Haveri.

16. Participation in Orientation and Refresher courses:

Sl. No.	Programme/course	Duration	Name of the University
1	Teachers Training Program	18.11.2018 to 12.12.2028	Indian Institute of Science, Kudapura, Challakere
2	Orientation program	04.06.2020 to 01.07.2020	MHRD-Ramanujan College, New Delhi
3	Faculty Development program	25.07.2020 to 10.08.2020	MHRD-Ramanujan College, New Delhi
4	Refresher Course in Chemistry	08.11.2021 to 20.11.2021	University of Hyderabad, Hyderabad

17. Contribution as Resource Person/judge/Key note speaker/rapporteur/etc:

Title of the lecture or speech	Place & date
World Ozone Day	Harogeri and 16.09.2019

18. Teaching Innovations : Virtual Teaching
19. Extracurricular activities : Dancing
20. Important responsibilities held :
21. Training Programmes attended : Teachers Training Programs
and Orientation Programs
22. Computer literacy : YES
23. Award Received : --

24. Proficiency in languages : Kannada, English and Hindi
25. Memberships-Academic/Professional/social :-
26. Duties/responsibilities assigned at the college : PLACEMENT OFFICER,
SCIENCE COORDINATOR
27. Sports and Hobbies : Cricket, Shuttle Badminton

DECLARATION

Above given information is correct and true to the best of my knowledge.

N.D. Jayanna
Signature of Employee

[Signature]
Signature of HOD
H.O.D. of Chemistry

[Signature]
Signature of Principal
Shri S.M.S. COLLEGE
ATHANI-591304