Curriculum Vitae

DR. VAIJINATH A. VERMA M.Sc. B.Ed., M. Phil., Ph. D.

Associate Professor
Department of Chemistry,
Smt. Veeramma Gangasiri College
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Karnataka, India

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Educational Qualifications

Under Graduation:

1999 - B. Sc. Gulbarga University, Gulbarga.

2001 - B. Ed. Karnataka University, Dharwad.

Post-Graduation:

2006 - M. Sc. (Organic Chemistry) Gulbarga University, Gulbarga.

2008 - M. Phil. Gulbarga University, Gulbarga

Title: **2D QSAR study of some antidiabetic agents.**

Doctoral Details:

2014- Ph. D. Gulbarga University, Gulbarga.

RECEIVED PHD FOR WORK ON "**STUDIES ON THE SYNTHESIS OF HETEROCYCLIC COMPOUNDS OF BIOLOGICAL INTEREST**" UNDER DR. ANAND R. SAUNDANE FROM GULBARGA UNIVERSITY, GULBARGA: AWARDED IN **2014**.

Professional Experience:

1. Guest Lecturer, Department of Chemistry, Gulbarga University, Gulbarga from 21-01-2008 to 31-12-**2009**.

2. Assistant Professor, A. V. Patil Degree College, Aland, Kalaburagi, from 02 -04-2010 to 22-09-**2011**.

3. Assistant Professor, S. P. Arts, Science and J. M. Bohra Commerce Degree College, Shorapur, Yadagiri from 23-09 -2011 to 05-07- **2017**.

4. Assistant Professor, S.S. Margol of College Arts, Science and Commerce Shahabad, Dist: Kalaburagi, from 06-07-**2017** to 02.11.2020

5. Assistant Professor, S. P. Arts, Science and J. M. Bohra Commerce Degree College Shorapur, Dist: Yadgir, from 03-11-**2020** to 10-11-**2023**.

6. Assistant Professor, Smt. Veeramma Gangasiri College for Women, Kalaburagi, from 11-11-**2024** to till to date.

Administrative and Academic Experience:

1. HOD, Department of Chemistry from **01.08.2011** to 25-04-**2021**.

2. Served as a coordinator and member in various committees (IQAC, NAAC, Sports, cultural, Admission, General-UGC, Entry in service).

3. UG BOS Member (Chemistry), KSAWU, Vijayapura

4. UG BOE Member (Chemistry), KSAWU, Vijayapura

Courses Taught:

Under Graduation (UG)-: Organic chemistry, Inorganic chemistry, and Physical chemistry.

Publications in national/international Journals: 30

1. Design and Synthesis of Novel Hybrid 1,5-Naphthyridines: DFT, MOPAC-PM6, Docking with SARS-CoV-2 ACE2–RBD complex, and Anticancer Appraisal. **Vaijinath A. Verma**, ***Journal of Materials Letters 405 (2026) 139816,*** pp. 01-04 **IF: 2.7**. DOI: https://doi.org/10.1016/j.matlet.2025.139816

2. Design, Synthesis of Naphthyridine-Integrated Pyranopolyheterocycle Derivatives and Their Biological Activities, **Vaijinath A. Verma**, Bharathi Halu, and Venkat M. Shind, **Russian Journal of General Chemistry,** 95, 8, pp. 1–10 **2025, IF: 0.8.** DOI: 10.1134/S1070363225603400.

3. Design, Synthesis, explorations of DFT, PM6, molecular docking with SAR-CoV-2 Mpro and anticancer properties of novel indolo[2,3-c]isoquinoline analogues. **Vaijinath A. Verma**, ***Journal of Molecular Structures*, 2024, IF: 3.8**. DOI: https://doi.org/ 10.1016/ j.molstruc. 2024. 13826 8

4. 'Design, Synthesis of Some Innovative Indolo[3,2-c]Isoquinoline-5-One Analogs and Associated Bioactivities, Pharmacophore, Molecular Docking, MEP, and Conceptual DFT Studies. **Vaijinath A. Verma**, Venkat M. Shinde, Anand R. Saundane, Rajkumar S. Meti, Dushyanth R. Vennapu, ***Polycyclic Aromatic Compounds***, 43, 9, 2023, 8408-8425 **2023, IF: 2.4**. DOI: https://doi.org/10.1080/10406638.2022.2149573

5. Synthesis, Biological Validation, and Docking Studies of Novel Purine Derivatives Containing Pyridopyrimidine, Pyrazolopyridine, and Pyranonapthyridine Rings **Vaijinath A. Verma**, Bharathi Halu, Anand R. Saundane, Rajkumar S. Meti, ***Polycyclic Aromatic Compounds*** , 42, 6, 3694-3716 **2022, IF: 2.4**. DOI: 10.1080/10406638.2020.1871384

6. Synthesis, Biological Evaluation and Docking Studies of Some New Indolyl-Pyridine Containing Thiazolidinone and Azetidinone Analogs **Vaijinath A. Verma , Anand R. Saundane ,**

Rajkumar S. Meti, Raju Shamrao & Vijaykumar Katkar ***Polycyclic Aromatic Compounds***, 1229, 129829, 1-15 **2022, IF: 2.4**. DOI:10.1080/10406638.2020.1786706

7. Novel indolo[3,2-c]isoquinoline-5-one-6-yl [1,2,4]triazolo[3,4-b][1,3,4]thiadiazole analogues: Design, synthesis, anticancer activity, docking with SARS-CoV-2 Omicron protease and MESP/TD-DFT approaches. **Vaijinath A. Verma**, Anand R. Saundane, Raju Shamrao Rajkumar S. Meti, Venkat M. Shinde ***Journal of Molecular Structures*** , 1229, 129829, 1-15 **2022, IF: 3.196**. DOI:10.1016/j.molstruc.2022.133153

8. Synthesis, E-pharmacophore, Molecular Docking Studies with SARS-CoV-2 Protease, Their Biological Properties and DFT Calculation of Some New Indolo[3,2-c]Isoquinoiline Hybrids, **Vaijinath A. Verma**, Rajkumar S. Meti, Anand R. Saundane, Ramesh Londonkar, Venkat M. Shinde, Dushyanth R. Vennapu & Raju Shamrao, ***Polycyclic Aromatic Compounds***, https://doi.org/ 10.1080/ 10406638. 2021.2009527. **2021, IF: 3.744**. Included in data base of World health organization (WHO): Article in English | Taylor & Francis | ID: covidwho-1541402.Link:https://pesquisa.bvsalud.org/global-literature-on-novel-coronavirus-2019-ncov/resource/en/covidwho-1541402.

9. Synthesis of new hybrid indolo[3,2-c]isoquinoline (δ-carboline) analogs fused pyrimidine, piperazine moieties and evaluation of antimicrobial, antioxidant, anticancer and antituberculosis activities, **Vaijinath A. Verma**, Anand R. Saundane, Rajkumar S. Meti Dushyanth R. Vennapu, ***Journal of Molecular Structures***, 1229, 129829, 1-15 **2021, IF: 2.463**. Included in database of World Health Organization (WHO) : Article in English | MEDLINE ID: covidwho-1126993.Link:https://search.bvsalud.org/global-literature-on-novel-coronavirus-2019- ncov/resource/en/covidwho-1126993.

10. Synthesis, biological validation and docking studies of novel hybrid purine analogs fused pyridopyrimidine, pyrazolopyridine and pyranonapthyridine derivatives, **Vaijinath A.Verma** and Bharathi Halu, Rajkumar S. Meti, ***Polycyclic Aromatic Compounds***, **2021,** https://doi.org/10.1080/10406638.2020.1871384 pp-1-23[ISSN:1563-5333] **IF: 1.894**.

11. Bioremediation of Azo Dye Amino Black 10B by Bacterium *Lysinibacillus* sp. Strain AK2. Ramesh S. Masrbo, **Vaijinath A. Verma**, T. B. Karegoudar, ***Advances in Bioresearch***, 11(2) March. **2020** (online ISSN2277-1573). **IF:--**

12. Synthesis, Biological Evaluation and Docking Studies of Some New Indolyl-Pyridine Containing Thiazolidinone and Azetidinone Analogs. **Vaijinath A. Verma** , Anand R. Saundane , Rajkumar S. Meti , Raju Shamrao & Vijaykumar Katkar, ***Polycyclic Aromatic Compounds***, **2020,** doi.org/10.1080/10406638.2020.1786706 [ISSN:1563-5333] **IF: 1.894**.

13. Synthesis of Schiff Base Indolyl-1, 3, 4- Oxadiazole, Thiazolidinone and Azetidinone as Efficient Antimicrobial, Antioxidant, Anti-Tuberculosis and Anticancer Agents. **Vaijinath A. Verma**, Anand R. Saundane and Rajkumar S. Meti. ***Asian Journal of Organic & Medicinal Chemistry***, 4(2): **2019,** doi.org/10.14233 [ISSN:2458-893]. **IF:--**

14. Synthesis of some novel 5-(8-substituted-11H-indolo[3,2-c]isoquinolin-5-ylthio)-1',3',4'-oxadiazol-2-amines bearing thiazolidinones and azetidinones as potential antimicrobial, antioxidant, anti-tuberculosis and anticancer agents. **Vaijinath A. Verma**, Anand R. Saundane, ***Polycyclic Aromatic Compounds***, **2019,** doi.org/ 10.1080/ 10406638. 1628782 [ISSN:1563-5333] **IF: 1.894**.

15. Synthesis, antimicrobial and antioxidant studies of some newly indolo[3,2-c]isoquinoline derivatives. **Vaijinath A. Verma**, ***Russian journal of General Chemistry***, 88(10): 628-2645, **2018,** [ISSN: 1608-3350] https://doi.org/10.1134/S1070363218120265 **IF: 0.658**.

16. Synthesis and biological evaluation of some novel pyrido[2,3-d]pyrimidine derivatives as antimicrobial and antioxidant agents. **Vaijinath A. Verma** and Rajkumar S. Meti. ***International Journal of Chemical and Pharmaceutical Sciences*** 7(3): 39-49, **2016,** [ISSN: 0976-9390] **IF: 0.684.**

17. Synthesis and biological evaluation of some novel indolyl-pyrimidine derivatives. **Vaijinath A. Verma**, ***International Journal of Recent Scientific Research***, 6(3): 3120-3124, **2015,** [ISSN: 0976-3031] SJ**IF: 6.86.**

18. Synthesis, antimicrobial and antioxidant activities of some new 5, 6-diamino-1, 3-dimethylpyrimidine-2, 4(1H, 3H)-dione derivatives. **Vaijinath A. Verma**, ***World Journal of Pharmacy and Pharmaceutical Sciences,*** 4(1): 1258-1268, **2014,** [ISSN: 2278-4357], **SJIF:7.421**.

19. Understanding the antiperglycemic agents of thiazolidinediones analogues using Quantitative Structure Activities Relationship (QSAR) models**. Vaijinath A. Verma**, ***World Journal of Pharmacy and Pharmaceutical Sciences***, 3(3), 2212-2221, **2014,** [ISSN: 2278-4357], **SJIF: 7.421**.

20. Synthesis and biological activities of some new annulated Pyrazolopyranopyrimidines and their derivatives Containing Indole Nucleus. Anand R. Saundane, Prabhaker Walmik, Manjunatha Yarlakatti, Vijaykumar Katkar, and **Vaijinath A. Verma**, ***Journal of Heterocyclic Chemistry***, 51(2): 303-314, **2014,** [ISSN: 1943-5193] **IF: 0.962**.

21. Synthesis, antimicrobial and antioxidant activities of some new 5-(2-methyl-1H-indol-3-yl)-1,3,4-oxadiazol-2-amine derivatives. Anand R. Saundane, Vijaykumar Tukaram Katkar and **Vaijinath A. Verma** ***Journal of Chemistry***, **2013,** ID718937, 9 http:// dx.doi. org/ 10.1155/2013/718937,. **IF: 1.726**.

22. Synthesis, antimicrobial and antioxidant activities of N-[(5'-substituted 2'-phenyl-1H-indol-3'-yl)methylene]-5Hdibenzo[b,f]azepine-5-carbohydrazide derivatives. Anand R. Saundane, Vijaykumar Tukaram Katkar and **Vaijinath A. Verma.** ***Journal of Chemistry***, **2013,** ID 530135, 9, http://dx.doi.org/10.1155/2013/530135, **IF: 1.726**.

23. Synthesis, antimicrobial and antioxidant activities of some new 5-(2-methyl-1H-indol-3-yl)-1, 3, 4-oxadiazol-2-amine derivatives. Saundane Anand R**, Vaijinath A. Verma** and Katkar Vijaykumar. ***Journal of Chemistry***, **2013,** ID 148412, 9 http://dx.doi.org/10.1155/2013/148412, **IF: 1.726**.

24. Synthesis of novel 2-amino-4-(5'-substituted 2'-phenyl- 1H-indol-3'-yl)-6-aryl-4H-pyran-3-carbonitrile derivatives as antimicrobial and antioxidant agents. Saundane A R, Katkar Vijaykumar, **Vaijinath A. Verma**. ***Bioorganic & Medicinal Chemistry Letters***. **2013,** 23: 1978–1984,. [ISSN: 0960-894X (Print)] **IF: 2.539**.

25. Synthesis of some new indolo[2,3-c]isoquinolinyl pyrazole,-1,3,4oxadiazoles and their biological activities. Saundane A R, **Vaijinath A. Verma** and Katkar Vijaykumar. Medicinal Chemistry Research, **2013,** 22:3787-3793,. [ISSN: 1054-2523 (Print)]. **IF: 1.058.**

26. Synthesis and Antioxidant and Antimicrobial Activities of N-[(5'-Substituted 2'-phenyl-1H-indol-3-yl)methylene]-5-(pyridin-4-yl)-1,3,4-oxadiazol-2-amines. Saundane A R, Katkar Vijaykumar, **Vaijinath A. Verma**. ***Journal of Chemistry***, **2013,** Article ID 718937, 9, http://dx.doi.org/10.1155/2013/718937, **IF: 1.726**.

27. Synthesis, antimicrobial and antioxidant activities of indolyl-pyridopyrimidine, pyrazolopyridinemoities. Saundane A R, Katkar Vijaykumar, **Vaijinath A. Verma** and PrabhakarWalmik. ***Medicinal Chemistry Research***, **2013,** 22:806-817, [ISSN: 1054-2523 (Print)] **IF: 1.058**.

28. Synthesis , antimicrobial and antioxidant activities of some new 1'-10-substituted 5H, 6H, 7H,-indolo[2,3-c]isoquinolin-5ylthio)formyl-3', 5'-disubstituted pyrazoles,-3'-methyl pyrazol-5'-one and- 1',3',4'oxidiazol-2'-thiones. Saundane A R, **Vaijinath A. Varma** and Vijaykumar Katkar. ***Heterocyclic Lett.*** **2012,** 2(3): 333-348,. [ISSN: 2231-3087 (Print) **IF: --**

29. Synthesis and biological activities of some-5-substituted 2-phenyl-3-(6-aryl-3-cyano-2-substituted-pyridine-4-yl)indoles. Saundane A R, Vijaykumar Katkar Yarlakatti Manjunath, **Vaijinath A. Varma** and Prabhaker Walmik. ***Indian J Heterocyclic Chem***, **2011,** 20: 321-324, [ISSN: 0971-1627 (Print)]. **IF: 0.342**.

30. Synthesis and biological activities of some indole analogous containing pyridine, pyridopyrimidine and pyranonapthyridine system. Saundane A R, Vijaykumar Katkar, Yarlakatti Manjunath, Prabhaker Walmik and **Vaijinath A. Varma**. ***Heterocyclic Lett*** , **2011,** 1(4): 339-350, [ISSN: 2231-3087 (Print)]. **IF:--**

Patent Published: 04

1 **Vaijinath A Verma**, Ravindra Y.N, Rajendra B. Konda, Dr. B. Jyoti "Real- LORA Hub Linked GSM Gateway For Monitoring Multi-Zone Irrigation" The Patent Office Journal No. 34/2025 Dated 22/08/**2025,** pp 81053, Application No.202541075010 A

2 **Vaijinath A Verma**, Ravindra Y.N, Rajendra B. Konda, Dr. Veena P. Honguntikar "Digital Inclusive Communication Device For Physically Challenged The Patent Office Journal No. 19/2025 Dated 09/05/**2025** , pp 44104, Application No.202541036909 A.

3 **Vaijinath A Verma**, Ravindra Y.N, Rajendra B. Konda, Rajkumar S. Meti. "Real-Time GSM-Integrated Smart Bridge" The Patent Office Journal No. 48/2024, Dated 29/11/**2024**, pp 112412, Application No.202441092062 A.

4 Jai Shanker Pillai HP, Venkat M Shinde, **Vaijinath A Verma**, Daban Noori Hama Saeed, "A Method for Rapid Detection of E. Coli in Dairy Products" The Patent Office Journal No. 19/2024, Dated 10/05/**2024**, pp 45159, Application No.202441035027 A.

Research Project Completed/ongoing:

1. Vision Group on Science and Technology (VGST) K-FIST L1 sponsored Research Project on "Novel 1,5-Naphthyridine Derivatives and exploring their Fluorescent, Electrochemical, DFT/TDDFT, MOPAC-PM6, and molecular docking and biological investigations" Project cost Rs. 20 lakhs (approved) ongoing. **16-May-2025**

2. UGC sponsored Minor Research Project on "Synthesis and biological evaluation of some novel indolyl-pyrimidine derivatives" Project cost Rs. 185000.00 (approved) Rs.182214.00 (utilized) was completed on **28-Mar-2015.**

Books Published: 03

1. Biological Profiling of Heterocyclic compounds, Vaijinath A Verma, **International Lap Lambert Academic Publishing**, **ISBN: 978-620-7-47314-4**, **2024.**

2. QSAR (Quantitative structure Activity Relationship) Modeling on some Anti-Diabetic Analogs, **Vaijinath A. Verma**, International Lap Lambert Academic Publishing, **ISBN: 978-620-0-50504-0**, **2019.**

3. Synthesis and Drug Design of new Heterocycles Biological Concern, **Vaijinath A Verma** and Bharathi Halu, International Lap Lambert Academic Publishing, ISBN**: 978-620-0-45893-3**, **2019.**

Awards and Honor's

S. No.	Activity/Event	Given by	Year
1.	**REVIEWER AWARD**	Editors of Journal of Molecular Structure (Elsevier) since 2021-2024	**2024**
2.	**BEST TEACHER-2022**	Hyderabad Karnataka Education Society, Kalaburagi	**2022**
3.	**EXCELLENCE IN RESEARCH**	**International Young Scientist Awards** YST 2022, ScienceFather a trademark of Scifax Company (Reg. No. 130116), Approved and Registered by Ministry of Corporate Affairs (MCA), Govt. of India	**2022**

Refresher/Orientation Courses/Short-Term Course/Workshop attended:

1. Online Refresher Course in Chemistry organized by UGC-Human Resource Development Centre (HRDC) Kuman University, Nainital-263001, Uttarakhand, India from 08th to 22nd August, 2022**.**

2. Online Refresher Course in Chemistry on the topic "Chemical And Materials" organized by UGC-Human Resource Development Centre (HRDC) Sambalpur University, Jyoti Vihar – 768 019, Dist. Sambalpur, Odisha, India from 02nd to 15th December **2021.**

3. Refresher Course on ***Recent Advances in Chemical Sciences*** organized by UGC-Human Resource Development Centre (HRDC) Doctor Harising Gour Vishwavidyalaya, Sagar-470003 (MP), India from 17th to 29th August **2020.**

4. Workshop on Bioinformatics**, molecular modeling, and Biostatistics** organized by Bhavan's Vivekananda College of Science, Humanities and Commerce Sainikpuri Secundrabad-500094, during on 12th to 14th August. **2020.**

5. Faculty Development Programme on ***Frontiers of Research in Mechanical Engineering-*** **FORME-2020** organized by the Department of Mechanical Engineering Satya Institute of Technology and Management Gajularega, Vizianagaram- 535003, Andhra Pradesh, India. during on 22nd to 26th h July. **2020.**

6. 75th online Short-Term Course on ***E-Content Development*** organized UGC- Human Resource Development Centre, Gujarat University Ahmedabad from 25th June to 1st July **2020.**

7. Refresher Course on ***Degree College Teacher Training Program in Chemistry*** organized by Indian Institute of Science Challakere campus at Kudapura Chitradurga, Karnataka from 22nd November to 12th December **2018.**

8. Refresher Course on ***Recent Trends in Chemical Sciences*** organized by the Department of Chemistry, H.R.D.C (UGC-Academic Staff College), University of Hyderabad, Hyderabad from 13th July to 02nd August **2016**.

9. 65th Orientation Course organized by UGC-Academic Staff College, University of Hyderabad, Hyderabad from 20th June to 16th July **2010**.

Attended Teacher training:

1. Teacher empowerment training for Assistant Professors organized by the Department of Collegiate Education, Government of Karnataka At Gulbarga University, Gulbarga from 16th -22nd October **2011**.

National/ International seminars / webinars/ workshop (Act as Organizing Secretary)

1. One-Day Virtual Workshop on Preparation of NAAC Documentations and SSR for Degree Colleges (PNDSDC-2023) Organized by: IQAC Shri Prabu Arts, Science, and J. M. Bohra Commerce Degree College Shorapur-585 224, Dist: Yadgiri, Karnataka **23rd January 2023.**

2. National Assessment and Accreditation Council (NAAC) Sponsored a one-day National webinar on "The Impact Of Covid-19 Pandemic Crisis On Higher Education Institutions In Karnataka And Its Challenges"(ICPCHEIKC-2021) Organized by: IQAC Shri Prabu Arts, Science, and J. M. Bohra Commerce Degree College Shorapur-585 224, Dist: Yadgiri, Karnataka held on **20th July 2021**.

3. One-day international webinar on "The implementer role of Chemical and Biological Sciences in conflict contrary to Covid-19" (ICBSC-2021) organized by the Department of Chemistry, Sri Prabhu Arts, Science, and J. M. Bohra Commerce Degree College, Shorapur-585 224, Karnataka India held on **29th January 2021**

4. Two days National Seminar on "The Challenges and remedies in a higher educational institution of rural area in Karnataka (Kalaburagi)" organized by IQAC, S.S. Margol College of Arts, Science and Commerce, Shahabad, Kalaburagi, National Assessment and Accreditation Council (NAAC), Bangalore, Sponsored, held on **4th and 5th October 2019.**

5. Two days National Seminar on "Impact of green chemistry on biodiversity and environmental challenges" (IGCBE-2019), organized by Department of Chemistry, S.S. Margol College of Arts, Science and Commerce, Shahabad, Kalaburagi, DST- Science and Engineering Research Board (SERB) Sponsored, New Delhi-110070, held on 20th and 21st September, **2019.**

6. UGC Sponsored two day National Seminar on "Sustainable Chemistry in tackling Global Warming" (SCTGW-2014) organized by the Department of Chemistry, S. P, Arts, Science and J. M. Bohra Commerce College, Shorapur, District: Yadgiri, held on 19th & 20th September **2014.**

7. Experience in conducting UGC sponsored two days national seminars "The role of chemistry in Nanoworld" organized by the Department of Chemistry, A.V Patil Degree College Aland Kalaburagi, held on 4th & 5th **2013.**

Papers Presented in Research and as a resource person in Symposia, Seminar Conferences/ special lectures.

1. synthesis, spectral analysis, DFT, MOPAC-PM6 exploration, and molecular docking approaches with sar-cov-2 main protease of indolo[2,3-c]isoquinoline analogues." International Conference on Recent Advancements in Materials Science and Nuclear Energy Research" ICRAMNR-2024 In association with Indian Association for crystal growth (IACG) Organized by Department 0f Physics Government Arts And Science College, Verravanchi Nagar, Kovilpatti, Thoothukudi, Tamilnadu -628502, held on **16th February, 2024, Abstract page no.19, ISBN: 978-81-19821-92-1**

2. The Impact Of Carbon And Hydrogen Isotopes On Microbial Methane And Earth's Environmental Conditions Vaijinath **A. Verma**, , **NuRI-2024 NATIONAL SEMINAR**, KSTA Sponsored organized by M.S. Irani Degree College of Arts, Science & Commerce Kalaburgi Gulbarga University Physics Teachers Forum (R) Karnataka Rajya Mahavidhyalay Shikshak Mahasangh (KRMSS) (R), Bangalore held on 23rd January , **2024.** Published in South **Asian Review ISSN: 0275-9527 E-ISSN: 2573-9476 Vol. 3, Issue 2, February. 2024**

3. As a resource person in the National Seminar on 'Impact of COVID-19 Pandemic on the Environment' Conducted under the Department of Zoology on 13th September, 2021 by Arts, Commerce and Science College, Satral (MS).

4. ADME/TOX Assisted synthesis of some novel pyrimidine-acrylonitrile analogs and their biological and molecular docking properties. **Vaijinath A. Verma**, Raju Shamrao, **International Conference** on Physics and Allied Science (ICPAS-2020), KSTA Sponsored organized by B.V. Bhoomaraddi College of Arts, Sciences and Commerce, **BIDAR** held on 11th-13 March, **2020.**

5. Synthesis and biological evaluation of efficient antimicrobial, antioxidant, anti-tuberculosis and anticancer assays of carbonitrile derivatives, **Vaijinath A. Verma** Anand R. Saundane and Raju Shamrao A **National Conference** On "New Horizon in Biological Sciences for Human Welfare" Organized By Gulbarga University, **Kalaburag**i-585105, Karnataka, India, from 29th and 30th March, **2019**. DDSB-03, page no. 20.

6. Elicitation of protease inhibitors in chickpea cultivar ICCV-10 genotype by salicylic acid and Spermine, Raju Shamrao and **Vaijinath A. Verma**. A **National Conference** On "New Horizon

in Biological Sciences for Human Welfare" Organized by Gulbarga University, **Kalaburagi**-585105, Karnataka, India, from 29th and 30th March, **2019**, PAB-02, Page no. 01.

7. Green synthesis and Charactering of silver and gold nanoparticles using seed extract of vernonia anthelmintica and evaluation of its antimicrobial activity **Vaijinath A. Verma** and Rajkumar S. Meti, presented in **International conference** on Global environmental challenges human health and sustainable development **JNU, New Delhi** from 11th -13th January **2019**, Sl.No-227, page-227.

8. Synthesis of 6-(4-substitutedphenyl)-4-(5-substituted-2-phenyl-1hindol-3-yl)-1, 2-dihydro-2-oxopyridine-3-carbonitrile analogous and their antimycobacterial, antioxidant and anticancer activity against tumor cell lines, **Vaijinath A. Verma** and Rajkumar S. Meti, presented in **International conference of 39th Annual Conference of Indian Association of Biomedical Scientists (IABMS)**current concepts on the role of Indian medicine and Phytoceuticals in Maintenance of Health" Organized by PG Centre, Mangalore University at Jnana Kaveri, **ChikkaAluvara Kodagu**, Karnataka, India from 15th -17th Novembr **2018**, PP-21, page-103.

9. Synthesis, antimicrobial and antioxidant activities of new indole analogues containing triazolopyrimidine system Anand R. Saundane, Annapurana Halu, Kirankumar N.M and **Vaijinath A. Verma**, presented in Indian council of chemists in the 32nd annual conference organized by Department of studies in chemistry, **Karnatak Unversity Dharwad** during November 28th-30th **2013**. Poster OP-22, Page-163.

10. Synthesis, antimicrobial and antioxidant activities of some new 5-(2-methyl-1H-indol-3-yl)-1,3,4-oxadiazol-2-amine derivatives Anand R. Saundane, **Vaijinath A. Verma**, VijaykumarKatkar, presented in Chemical Science section in the 100th Indian Science Congress, 2013, Organized by University Calcutta, **Kolkatta, West Bengal** during December 01st -07th , **2013**. Poster 198, page-224.

11. Synthesis, antioxidant and antimicrobial, activities of N-[(5'-substituted 2'-phenyl 1H-indol-3'- yl)methylene]-5-(pyridin-4-yl)-1,3,4-oxadiazol-2-amines, Anand R. Saundane, Vijaykumar Katkar, **Vaijinath A. Verma**, presented in Chemical Science section in the 100th Indian Science Congress, 2013, Organized by University Calcutta, **Kolkatta**, West Bengal during December 01st -07th , **2013**. Poster 199, page-225.

12. Synthesis, antioxidant and antimicrobial activities of indolyl pyrazoles. A. R. Saundane, Yarlakatti Manjunatha, Prabhaker Walmik, Katkar Vijaykumar and **Vaijinath A. Verma**. Presented in the 99th Indian Science Congress (Chemical Science section), 2012, held at KIIT University, **Bhubaneswar**, during 03rd - 07th, January, **2012**. Poster No-31, Page-No. 67.

13. Synthesis and antimicrobial activity of some 5-substituted 2-phenyl-3-(6-aryl-3-cyano-2-substituted pyridin-4-yl)indoles and their derivatives. Saundane Anand R, Katkar Vijaykumar, Yarlakatti Manjunatha, **Vaijinath A. Verma**, Prabhaker Walmik and Miss. Kalpana R. Presented in the 98th Indian Science Congress-2011(Chemical Science section) held at **SRM University**, during January 3rd -7th , **2011**.

14. Synthesis of 6-[5-(2', 5'-disubstituted-1H-indol-3'-yl)-4-oxo-2-thioxo-1,2,3,4-tetrahydro pyrimidine-5-carbonitrile and their derivative and antimicrobial and antioxidant activities. Saundane Anand R, Yarlakatti Manjunatha, Katkar Vijaykumar, Prabhaker Walmik, **Vaijinath**

A. Verma and Miss. Kalpana R. Presented in the 47th Annual Convention of Chemists 2010 and International Conference on Recent Advances in Chemical Sciences held at PanditRavishankar Shukla University, **Raipur** during December 23rd -27th , **2010**, Abstr. No. OP-25.

15. Synthesis of 2-oxo-6-phenyl-2-yl-4-(2',5'-distubstituted 1H-indol-3'-yl)-1,2-dihydropyrimidine-3-carbonitrile and their derivative and antimicrobial and antioxidant activities. Saundane Anand R, Yarlakatti Manjunatha, Vijaykumar, Katkar Prabhaker Walmik, **Vaijinath A. Verma** and Miss. Kalpana R. Presenated in the 47th Annual Convention of Chemists 2010 and International Conference on Recent Advances in Chemical Sciences held at Pandit Ravishankar Shukla University, **Raipur** during December 23rd -27th , **2010**, Abstr. No. OP-25.

16. Synthesis of some indole analogues containing Napthyridines and Pyrimidonaphthyridines and their antimicrobial and antioxidant activities. Saundane Anand R, Prabhaker Walmik, Yarlakatti Manjunatha, Katkar Vijaykumar, **Vaijinath A. Verma** and Miss. Kalpana R. Presented in the 29th Annual Conference of the Indian Council of Chemists held at Punjab University, **Chandigarh** during December 19th -21st , **2010**.

17. Synthesis and Biological evaluation of some new 1-(10-substituted 5H,6H,7H-indolo[2,3-c]Isoquinolin-5-yl thio)formyl, -3,5-disubstituted pyrazoles, -3-methylpyrazol-5-ones and -1,3,4-oxadiazol-2-thiones. Saundane Anand R, **Vaijinath A. Verma**, Prabhaker Walmik, Yarlakatti Manjunatha, Katkar Vijaykumar, and Miss. Bharathi Halu. Presented in the 29th Annual Conference of the Indian Council of Chemists held at Punjab University, **Chandigarh** during December 19th - 21st, **2010**. Abstr. No. OP-26.

18. Synthesis of Some New Indole Naptheridine-3-carbonitrile derivatives with their expected biological activity. Vijaykumar Katkar, Prabhaker Walmik, **Vaijinath A. Varma**, Yarlakatti Manjunatha And Saundane Anand R. Presented in the International Conference on Current 11 Trends in Chemistry and Biochemistry to be held at Department of Chemistry, Central College Campus, Bengaluru University, **Bengaluru**, Karnataka during December 18th -19th , **2009.** Abstr No. Poster 127, page No. 139.

19. Synthesis and antimicrobial activities of 6-amino-1-isonicotinoyl-4-(2',5'-disubstituted-1Hindol-3'-yl)-1,4-dihydropyrano[2,3-C]pyrazole-5-carbonitrile and their derivatives, Yarlakatti Manjunatha, Prabhaker Walmik, **Vaijanath A. Varma**, Vijaykumar Katkar and Saundane Anand R. Presented in the International Conference on Current Trends in Chemistry and Biochemistry to be held at Department of Chemistry, Central College Campus, Bengaluru University, **Bengaluru,** Karnataka during December 18th -19th , **2009**. Abstr No. Poster 128, page No. 139.

Online National/International Conference/ webinar / seminar/workshops participated

1. National level technical meet on "Micro ***and Nano fabrication and characterization techniques***" organized Department of Physics (SF) Kamaraj College, Thoothukudi-6288003, Tamil Nadu, India held on 9th November, 2020

2. Two Day International Virtual Conference on "***Creative Research in Chemical Science & Allied Applications*** (CRCSA-2020)" organized by PG Department of Chemistry, SDM College (Autonomous), Ujire-574240, Karnataka, India held on 18 & 19th August **2020**.

3. Three days National Webinar Series on "***Role of Chemistry in Engineering and Society***" organized by the Department of Chemistry, JNN College of Engineering, Shivamogga, Karnataka, INDIA. from 12th to 14th August **2020**,

4. Webinar on "***Basics of Electron microscopy***" Department of Chemistry, Jyothy institute of technology , Bangalore held on 8th August, **2020**

5. Webinar on "***Immunology of Covid-19"*** organized by Department of Zoology, Gargi College, Delhi, held on 5th August, **2020.**

6. Webinar on ***Sustainable Electronic waste recycling and management in India*** organized by CRRP, Department of Physics, Sona College of Technology, Salem, Tamil Nadu held on 04th August, **2020.**

7. International seminar on " ***Biophotonics***" organized by Mangalayatan University, Aligarh held on 10th July, **2020.**

8. International webinar on" ***Covid-19: Socio Culture implication & Path Ahead***" organized by Vidyasagar College of Education held on 7th July, **2020.**

9. International Seminar on "***Organic Otoelectionic sensors for Biomedical applications***" organized by Mangalayatan University, Aligarh & Himalayan University, Itanagar, india held on 27th June **2020.**

10. 4-days International Conference on ***"Eradication of Biological and Chemical Weapon***" organized by MIT World Peace University, Pune during 23rd- 26th June, **2020.**

11. International Webinar on ***Health and Environmental protection during Pandemic outbreak of COVID-19***" organized by Department of Chemistry, Faculty of Science, Sam Higginbottom University of Agriculture , Technology and Science, Shuats Allahabad U.P. India held on 25th- 26th June, **2020**

12. International Seminar on Emerging technologies on ***nano science, Environmental and Energy: COVID-19 Restriction***" organized by Department of Humanities & Applied Science & IQAC of K.C. College of Engineering & Management Studies and research Thane(E), Mumbai, held on 23rd June – 24th June, **2020.**

Workshops / Seminars / Conference attended

1. UGC Sponsored three days National workshop on Research Methodology organized by Department of Zoology, Government College Kalaburagi during 09th - 11th October. **2017**.

2. Two days workshop College Teacher on "The Development of new Curriculum for Undergraduates" organized the Department of postgraduate studies & Research in Chemistry, Gulbarga, University, Kalaburagi during 29th- 30th October. **2015**.

3. UGC Sponsored two days National Seminar on "Recent Trends in Biodiversity of India" organized by Muluk Sherier Irani Degree College Gulbarga during 11th -12th March. **2014.**

4. UGC Sponsored two days National level seminar on "Recent Techniques in Instrument Methods of Chemical Analysis" organized by Karnataka Arts, Science and Commerce College Bidar, Karnataka during 26th-27th September. **2014**.

5. The 99th conference "The Indian Science Congress" organized by KIIT University, Bhubaneswar during 3rd -7th, January. **2012**.

6. UGC Sponsored two days National seminar on "Recent Advances in Nano Science" organized by Akkamahadevi Womens College, Bidar, Karnataka during 2nd & 3rd March. **2012**.

7. One day workshop on "Impact Research & Funding Opportunities" organized by Matashree Taradevi Rampure institute of Pharmaceutical Sciences Gulbarga-Karnataka held on 01st September. **2012**.

8. The 98th conference "the Indian Science Congress" organized by SRM University, Chennai during 3rd -7th, January. **2011**.

9. One workshop on "Alternative to use of Animals in Life Science Education for Zoology teachers" organized by Department of Zoology, Gulbarga University, Gulbarga held on 9th July, **2011**.

10. The 30th annual conference "Indian council of chemists" organized by Department of Chemistry, Osmania University, Hyderabad during 28th -30th, December. **2011**.

11. UGC sponsored two days National level Seminar on Global warming and water Crisis organized by Channabasaveshwar Arts, Science & Commerce College, Bhalki, Bidar, Karnataka during 6th -7th March. **2010.**

12. UGC sponsored one day National Seminar on Nano Chemistry organized by the Department of postgraduate studies & Research in Chemistry, Gulbarga, University, Gulbarga held on 29th March. **2010.**

Serving as a potential reviewer for reputed international journals

1. The review article entitled ""Quercetagetin 3,7 dimethyl ether polymorphs as multitargeted anti-amyloid agents: target to cognitive impairment in Alzheimer's disease" ***Medicinal Chemistry Research***-(SPRINGER), **5, August -2024**

2. The review article entitled "Dauricine: A Review of Natural Observation, Pharmacology and Pharmacokinetics" ***Medicinal Chemistry Research***-(SPRINGER), **June -2024**

3. The review article entitled "Synthesis of isomeric β-cycloalkoxyphosphonated hydrazones containing a dioxaphosphorinane ring: configurational and conformational investigation and molecular docking analysis" *Journal of Molecular Structures* (ELSEVIER) **8, March 2024.**

4. The review article entitled "Synthesis of Novel 4-substituted-2-amino-thiadiazole-thio-thiazole-acetamide Molecules as an Anticancer Agent" Journal ***of BMC Chemistry,*** (springernature.com) **05, March 2024.**

5. The review article entitled "Taurolidine Reduces Tumor Weight but Does Not Affect Micro Vessel Density in a Murine Model of Osteosarcoma", for" Journal ***of Oncology Research,*** **05, March 2024.**

6. The review article entitled "Nucleoside-Based Drug Target with Antimicrobial Screening and Computational Studies against SARS-CoV-2 Main Protease", for Journal ***of Chemistry Select*** (welly) **06, January. 2024**

7. The review article entitled ""Synthesis of some new imidazole-thiazolidine-2,4-dione-1,2,3-triazole hybrids as tubulin targeting anticancer agents" Journal ***of Molecular Structures*** (ELSEVIER) **02, August. 2022.**

8. The review article entitled "Synthesis, spectroscopic and DFT studies of 5-methyl-1H-pyrazole-3-carbohydrazide N-glycoside as potential anti-diabetic and antioxidant agent" ***Journal of Molecular Structures*** (ELSEVIER) **02, May. 2022.**

9. The review article entitled "Phytochemicals from Annona muricata (Sour Sap)as potential inhibitors of SARS-CoV-2 main protease (M^{pro}) and Spike Receptor Protein; a Structure-Based Drug Design Studies and Chemoinformatics Analyse" ***Journal of Molecular Structures*** (ELSEVIER) **17, Feb. 2022.**

10. The review article entitled In silico and in vitro investigation of inhibitory activity of 3-arylcoumarin derivatives on MAO isoenzymes" **Medicinal Chemistry Research** (SPRINGER) **30th Jan 2022**.

11. "In-Silico chemical activity and docking studies of two novel heterocyclic chalcones derivatives, against SARS-CoV-2, breast cancer cell, and plant pathogenic fungi" ***Journal of Molecular Structures*** (ELSEVIER) **07, Dec. 2021.**

12. The review article entitled "De novo design of dual-target JAK2, SMO inhibitors based on deep reinforcement learning, molecular docking and molecular dynamics simulations." ***Journal of Molecular Structures*** (ELSEVIER) **30, Oct. 2021.**

13. The review article entitled "Antioxidant, molecular docking and computational investigation of novel flavonoids." ***Journal of Molecular Structures*** (ELSEVIER) **22, Aug. 2021**

14. The review article entitled "Synthesis of 7-Azaindole Based Carbohydrazides and 1,3,4-Oxadiazoles; Antioxidant Activity, α-Glucosidase Inhibition Properties and Docking Study" ***Journal of Molecular Structures*** (ELSEVIER) **18, Aug. 2021.**

15. The review article entitled "Polypeptide-gold nanocluster fluorescence sensor to detect copper ions" ***Journal of Molecular Structures*** (ELSEVIER) **07, Aug. 2021.**

16. The review article entitled "Functional Relaxant Effect of 6,7-dipropoxy-2H-chromen-2-one is mainly by Calcium Channel Blockade in ex vivo Assay of Tracheal Rings" ***Journal of Medicinal Chemistry Research***-(SPRINGER),**Feb-2019**.

17. The review article entitled "Design, Synthesis, Estrogenic And Antiestrogenic Activities of Some Triarylpyrazole Derivatives" Mahmoud A. RagabHeba A. Abd El Razik , Elham A. Afify, Khadiga A. Ismail, Mounir A. Khalil, Nargues S. Habib journal ***Medicinal Chemistry Research***-(SPRINGER), **March-2017**.

18. Xianping Dai, Mengshun Li, and Feng Geng**"**Omega-3 poly-unsaturated fatty acid EPA and DHA enhance dexamethasone sensitivity in multiple myeloma U266 cells by a p53/miR-34a/Bcl-2 axis" ***Medicinal Chemistry Research***-(SPRINGER),**October-2016**.

19. The review article entitled "Molecular Docking and ADMET studies of novel 1-(4-fluorophenyl) pyrazolidine-3, 5-dione derivatives as potential EGFR-TK inhibitors" ***Medicinal Chemistry Research***-(SPRINGER), **March-2016**.

20. Mohamed S. Behalo1 and Giuseppe Mele "Synthesis and evaluation of pyrido[2,3-*d*] pyrimidine and 1,8-naphthyridine derivatives as potential antitumor agents***" journal Medicinal Chemistry Research***-(SPRINGER), **July -2015**.

21. The review article entitled "Synthesis and antibacterial activity of novel phosphonium salts on the basis of pyridoxine" Mikhali V. Pugachev*et al*., ***journal of Bioorganic Medicinal Chemistry-(***ELSEVIER), **2014**.