

D.D.G.D. VAISHNAV COLLEGE (AUTONOMOUS)

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| 1 | Name | Dr. G. Shoba |
| 2 | Designation | Assistant Professor |
| 3 | Department | Biotechnology |
| 4 | Employee Id | EC04012 |
| 5 | Date of Birth | 10.10.1985 |
| 6 | Gender | Female |
| 7 | Date of Appointment in this institution | 17.06.2019 |
| 8 | Experience in this institution | 5 years 6 months |
| 9 | Official Mail Id | shobag@dgvaishnavcollege.edu.in |
| 10 | Blood Group | “O” Positive |

| 11 EDUCATION DETAILS (from highest qualification): | | | | | |
|---|----------------------------|--|--|---------------|--------------|
| S.No | Degree | Institution | University | Year of study | Grade/C lass |
| 1. | Ph.D. (Biotechnology) | Mother Teresa Women’s University, Kodaikanal | Mother Teresa Women’s University, Kodaikanal | 2023 | - |
| 2. | M.Phil (Bioinformatics) | PRIST University, Chennai Campus | PRIST University | 2010 | First |
| 3. | M.Sc. (Bioinformatics) | Valliammal College for Women | Madras University | 2008 | First |
| 4. | B.Sc. (Biochemistry) | Valliammal College for Women | Madras University | 2006 | Distinction |

| 12 Details of ORIENTATION/REFRESHER COURSES attended: | | | | |
|--|--|---|----------|------------------------------|
| S.No. | Orientation/Refresher | University/Institution | Duration | Date (from-to) |
| 1 | Online Two-week Refresher Course Life Sciences | Teaching Learning Centre Ramanujan College, University of Delhi | 2 weeks | 28 February – 13 March, 2024 |

| 13 Details of SEMINARS, CONFERENCES, WORKSHOPS, FDPs etc. attended: | | | | | |
|--|--|---|--------------------------------|----------|-------------------------|
| S.No | Type (Regional/National/International) | Theme (Workshop/Conference/Seminar/FDP) | Organized by | Duration | Date |
| 1. | State | FDP in Basics of IPR | Sacred Heart College | 5 days | 04.06.2024 - 08.06.2024 |
| 2. | International | 2nd International Conference on Role of Biomaterials in Biological Sciences - | Alpha Arts and Science College | 1 day | 02.03.2024 |

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| 3. | National | National Webinar on "SCIENTIFIC STORYTELLING: WEAVING NARRATIVES FOR RESEARCH IMPACT" | Dr. MGR Janaki College of Arts & Science for Women | 1 day | 15.02.2024 |
| 4. | National | National Level Faculty Development Programme on "Pedagogical Innovations and Strategies in Higher Education" | ACT Academy | 7 days | 27.12.2023 to 03.01.2024 |
| 5. | National | National Level Virtual FDP "Effective Pedagogy Tools For Life Sciences" | Theivanai Ammal College for Women (Autonomous), Villupuram | 7 days | 20.12.2023 to 28.12.2023 |
| 6. | National | Online Certification Course on Ethics Review of Health Research-ICMR | SWAYAM-ICMR | 4 weeks | 16/11/2023 (self paced) |
| 7. | State | Awareness programme on Antimicrobial Resistance among Stakeholders | Saveetha Dental College & Hospitals | 1 day | 07.10.2023 |
| 8. | State | Virtual Expert Lecture on "The Invisible Invincibles teach us environmental lessons" | Sathyabama Institute of Science and Technology | 1 day | Virtual Expert Lecture on "The Invisible Invincibles teach us environmental lessons" |
| 9. | National | FDP on Current Trends and Development in Research in Biosciences | Sathyabama Institute of Science and Technology | 5 days | 22.08.2023 to 26.08.2023 |
| 10. | International | Conference on Infectious Diseases and Antimicrobial Resistance (ICiDAR- 2023) - organized by | Saveetha Dental College & Hospitals | 2 days | 28.07.2023 to 29.07.2023 |
| 11. | National | Faculty Development Programme on "NAAC Assessment and Accreditation Framework" | ACT Academy | 7 days | 19.06.2023 to 25.06.2023 |
| 12. | International | Workshop on Omics Data analysis | Nyberman Bioinformatics, France | 6 days | 18.02.2023-23.02.2023 |
| 13. | National | National Seminar on Recent Trends in Biological Research | Chettinadu Academy of Research and Education | 1 day | 03.12.2022 |
| 14. | International | Workshop on Computational genomics for NGS data analysis: | University of Delhi | 5 days | 26.11.2022-30.11.2022 |

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| | | Concepts, methods & applications | | | |
| 15. | International | International conference on "Pharmacology in drug discovery and disease management " | Amrita School of Pharmacy | 2 days | 25.11.2022-26.11.2022 |
| 16. | State | One Week STTP on Research Paper Writing (Online Mode) | REST Society for Research International (RSRI) Krishnagiri, | 5 days | 31.11.2022 - 04.11.2022 |
| 17. | National | National Conference on Role of Artificial Intelligence in Molecular Medicine | Alpha Arts and Science college | 1 day | 13.10.2022 |
| 18. | State | "A 3-Day Virtual Popular Lecture Series on Antimicrobial Resistance" | Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College | 3 days | 26.09.2022-28.09.2022 |
| 19. | International | International Conference on Infectious Disease and Advances in Microbial Technology | Saveetha Dental College and Hospitals | 2 days | 05.08.2022-06.08.2022 |
| 20. | State | FDP on Advancements in Science and Technology | SRM IST | 6 days | 24.06.2022-30.06.2022 |
| 21. | National | National Webinar on "Site specific mapping of the oral microbiome and resistome in young adult healthy subject using next generation sequencing" | Saveetha Dental College and Hospitals | 1 day | 25.02.2022 |
| 22. | National | National Level Webinar on Intellectual property Rights | Unique Institute of Management, Pune | 1 day | 10.11.2021 |
| 23. | National | Virtual Conference on Smart Nanomaterials-2021 | Chettinadu Academy of Research and Education | 1 day | 16.10.2021 |
| 24. | State | Symposium Animal Rights and Research Ethics | Loyola College | 3 days | 01.10.2021-03.10.2021 |
| 25. | National | FDP Cell Culture Technologies | SWAYAM-NPTEL | 8 weeks | 26.07.2021 to 26.09.2021 |
| 26. | National | One Week National Level Faculty Development Programme on "Developmental Techniques in Biological Sciences" | SRM Institute of Science and Technology | 6 days | 20.09.2021-26.09.2021 |
| 27. | International | International E-Conference on Novel Biotechnological | SNMV college of arts and science | 3 days | 15.09.2021 - 17.09.2021 |

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| | | approach to sustain in Pandemic scenario | | | |
| 28. | International | International Virtual Conference on Emerging and Re-emerging Diseases – MICROSUMMIT-2021 | Saveetha Dental College and IAAM | 2 days | 13.08.2021 & 14.08.2021 |
| 29. | State | Webinar - An insight of Drug Discovery | Biotech World India | 1 day | 13.06.2021 |
| 30. | State | Webinar Preparation Strategies for UGC NET & TN SET | The Standard Fireworks Rajaratnam College for Women | 1 day | 11.06. 2021 |
| 31. | International | Symposium Science Technology & Medicine | Sastra University | 1 day | 13.03.2021 |
| 32. | International | Conference Recent Advancements In Bioinformatics | VISTAS | 1 day | 30.11.2020 |
| 33. | International | Webinar Advances in Biological Sciences-ABS 2020 | Bharathiar University | 3 days | 17.08.2020-19.08.2020 |
| 34. | National | Webinar ICT Tools For Effective Assessment - Formative And Summative | DDGDVC | 2 days | 17.09.2020 to 18.09.2020 |
| 35. | Inter National | Online E-Conference on Biotechnology, Bioinformatics & Biomedicine (Presented on title Molecular Interaction analysis of Lanosterol derivatives from Laetiporus versisporus as potential inhibitor of BCL) | AIMST University Malaysia | 3 days | 23.08.2020-25.08.2020 |
| 36. | National | Webinar National Level Virtual Training on ICT Competency for Higher education Teachers | DDGDVC | | 13.07.2020-15.07.2020 |
| 37. | Inter National | Webinar on COVID-19 pandemic- | Institute of Bioinformatics, Bangalore | 3 days | 23.06.2020-25.06.2020 |
| 38. | National | One Week Faculty Development Programme on Open Source Tools for Research | -Ramanujam College-University of Delhi- MHRD | 6 days | 08.06.2020-14.06.2020. |
| 39. | National | National Webinar by Industry Experts- | Dr. MGR Janaki College of Arts and Science for Women | 2 days | 12.06.2020-13.06.2020 |

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| 40. | Inter National | Faculty Development Webinar on "Adapting to the Covid Era | Ethriaj College | 1 day | 12.06.2020 |
| 41. | State | Webinar - In silico drug discovery- | Annai Veilankanni's College for Women | 1 day | 11.06.2020 |
| 42. | State | Webinar Prevention of COVID-19 by enhancing innate immunity - | VISTAS | 1 day | 05.06.2020 |
| 43. | State | Virtual Conference on Covid-19 "Recent Updates and Current Advances" - | The American College, Madurai | 2 days | 03.06.2020-04.06.2020 |
| 44. | State | e-Learning Program on Bioinformatics as Cartographic tool in drug discovery by | Alagappa University | 7 days | 19.05.2020-30.05.2020 |
| 45. | State | FDP/FIP MOODLE LMS | JBAS | 5 days | 26.05.2020-30.05.2020 |
| 46. | Inter National | Webinar Next Generation sequencing methodologies & applications, | Bhaktavatchalam Memorial college | | 25.05.2020 |
| 47. | State | Webinar Stem cell Research for COVID-19- | VISTAS | 1 day | 25.05.2020 |
| 48. | National | Workshop Three Day online National Level Workshop on DNA Bar coding | - Islamiah college, Vaniyambadi | 3 days | 22.05.2020-24.05.2020 |
| 49. | State | Webinar Next-generation genomics for crop improvement to address hunger and malnutrition during COVID-19, | VISTAS | 1 day | 21.05.2020 |
| 50. | National | Webinar Taking Research forward during Pandemic, | Loyola College | 1 day | 20.05.2020 |
| 51. | State | Webinar Guidelines for the management of health and hygiene in COVID-19 pandemic- | SRM arts & Science College | 1 day | 18.05.2020 |
| 52. | Inter National | Webinar Online Workshop on Scientific Writing for Journals | Springer | 1 day | 15.05.2020 |
| 53. | State | Webinar Series on Global Perspectives In Biotechnology - | P.S.R.Engineering College, Sivkasi | 1 day | 11.05.2020 |
| 54. | Inter National | Webinar Teacher to Educational Leader- | Colombo Plan Staff College | 1 day | 23.04.2020 |
| 55. | State | Online Research Methodology Workshop | REST Society for Research | 1 day | 12.04.2020 |

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| | | | International (RSRI) | | |
| 56. | State | FDP/FIP Introduction to R programming at ICT Academy | Shri Sundarbai Shasun Jain College for Women | 2 days | 11.12.2017 - 12.12.2017 |
| 57. | Inter National | Workshop Innovative Lead Optimization and Candidate Selection” | Department of Bioinformatics, Stella Maris College | 1 day | 13.10.2017 |
| 58. | State | Workshop “PROWESS – A One day Animal Cell Culture Workshop” | Life Tech Research Centre at IIT Madras | 1 day | 05.08.2017 |
| 59. | National | Workshop Computational Analysis of Molecular Data | VIT | 2 days | 17.11.2016-18.11.2016 |
| 60. | State | Seminar Emerging Trends in Biotechnology Research and Commercialization | Mother Teresa Women’s University | 1 day | 11.11.2016 |
| 61. | State | Workshop Virtual Dissection Lab in Zoology | Mother Teresa Women’s University | 1 day | 18.10.2016 |
| 62. | State | Research Methodology Workshop” | Mother Teresa Women’s University | 2 days | 18.08.2016-19.08.2016 |
| 63. | State | FDP/FIP PHP Training | ICTACT | 2 days | 02.03.2016 - 03.03.2016 |
| 64. | State | Workshop Current trends in Biology, | CICS and CLRI | 1 day | 05.02.2015 |
| 65. | National | Seminar National Seminar on Emerging trends in Life Sciences | SOKA IKEDA College of Arts and science | 1 day | 27.01.2015 |

| 14 Details of Papers published in CONFERENCES/attended Conferences: | | | | | |
|--|---|---|--|---------------------------|---|
| S.No | Type (Regional/National/International) | Name of the Conference | Name of the paper presented/Attended | Organized by | Date |
| 1. | International | 1st National Level Conference and tehcnical Symposium 'BIOCIENCIA' on Recent Trends in Biotechnology and Applied sicences | In vitro and in silico network pharmacology analysis of eugenol from Syzygium aromaticum against Escherichia coli. | SIMATS Engineering | 17 & 18 October, 2024 |
| 2. | International | International conference on "Pharmacology in drug discovery and | In-silico Network pharmacology study on Bauhinia purpurea to | Amrita School of Pharmacy | 25 th and 26 th November 2022 |

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| | | disease management " | Identify novel compounds against neurological disorders | | |
| 3. | International | International Conference on Infectious Disease and Advances in Microbial Technology | In-Vitro antioxidant and Cytotoxic analysis and In-silico Network pharmacology study on Bauhinia purpurea to Identify bioactive compounds | Saveetha Dental College & Hospitals | 5 th and 6 th August 2022 |
| 4. | International | International E-Conference 2021 on Novel Biotechnological Approach to Sustain in Pandemic Scenario ISBN: 978-93-93546-03-6 | Mechanism of Bioactive Compounds from Sesbania grandiflora Against C-di-GMP Phosphodiesterase of Pseudomonas aeruginosa | SNMV college of arts and science | 15.—17, September.2021 |
| 5. | International | International Virtual Conference on Emerging and Re-emerging infectious diseases in Healthcare settings ISBN: 978-93-91342-78-4 | Review of Bacopa monnieri and it's Anti-cancer activity | Saveetha Dental College & Hospitals | 13 & 14 August, 2021 |
| 6. | International | Virtual International Conference on advancements in Nanotechnology ISBN: 978-81-948129-1-3 | A Study on Therapeutic Potentials and Molecular Docking of Plant Extracts Against Environmental Isolates Causing Urinary Tract Infection | Association of Global Academicians and Researchers (AGAR) & Association of Indian Biologists (AIB) Tamil Nadu, India | 11 November, 2020 |
| 7. | International | Virtual International Conference on advancements in Nanotechnology | Molecular Docking Studies Of Bioactive Compounds From Centella Asiatica With Beta - Lactamase of Pseudomonas | Association of Global Academicians and Researche | 11 November, 2020 |

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|----|---------------|---|---|--|-------------------|
| | | ISBN: 978-81-948129-1-3 | Aeruginosa: A Computational Approach | rs (AGAR) & Association of Indian Biologists (AIB) Tamil Nadu, India | |
| 8. | International | International E-Conference On Biotechnology, Bioinformatics & Biomedicine- | Molecular Interaction analysis of Lanosterol derivatives from <i>Laetiporus versisporus</i> as potential inhibitor of BCL-2 | AIMST University, Malaysia | 24-26 August 2022 |
| 9. | National | Proceedings of National Seminar on Emerging trends in Life Sciences; ISBN: 9788183717007. | Insilico Docking analysis of carnosic acid against drug targets of colorectal cancer | Soka Ikeda college of Arts and Science | January 27, 2015. |
| 10 | National | Proceedings of National Seminar on Emerging trends in Life Sciences; ISBN: 9788183717007. | Insilico Docking analysis of carnosic acid against drug targets of colorectal cancer | Soka Ikeda college of Arts and Science | January 27, 2015. |
| 11 | National | Proceedings of National Seminar on Emerging trends in Life Sciences; ISBN: 9788183717007. | Carbazole alkaloids: Natural therapeutic agents for Alzheimer's Disease, | Soka Ikeda college of Arts and Science | January 27, 2015. |

| 15 Details of visit as a RESOURCE PERSON: | | | | |
|---|--|----------------------------------|-------------------------|------------|
| S.No | Type (Guest Lectures, Workshops, Conferences Or Seminars/ Ph.D, Viva-voce Examination) | Title | Institution Name | Date |
| 1. | Resource Person-Judge | Resource Person-Star Summit-2024 | Saveetha Dental College | 08.07.2024 |
| 2. | Resource Person | Tech Star Summit | SIMATS | 04.05.2024 |
| 3. | Project Viva - Examiner | M.Sc.Biochemistry, Viva | SRM IST | 26.04.2024 |

| 15 Details of visit as a RESOURCE PERSON: | | | | |
|---|---|--|--|-------------------------------|
| S.No | Type (Guest Lectures, Workshops, Conferences Or Seminars/ Ph.D, Viva-voce Examination) | Title | Institution Name | Date |
| 4. | Resource person - Seminar | In Silico Insights into Molecular Recognition : The Docking Approach | Department of Food and Nutrition, Yeungnam University, Gyeongsan, Republic of Korea | 18.04.2024 |
| 5. | DC-Member | DC-Member(Thesis Advisory Committee member) - Saveetha Medical College | Saveetha Medical College | 25.03.2024 |
| 6. | Resource person- Guest Lecture | Practical Applications of Computational Biology | Dr. M.G.R. Janaki College of Arts and Science for Women | 01.08.2022 |
| 7. | Resource person - Workshop | In silico Molecular Docking analysis and Immunoinformatics approach for Epitope based vaccine Prediction | Dr. M.G.R. Janaki College of Arts and Science for Women | 20.01.2022 – 30.01.2022 |
| 8. | Resource person -FDP | Technical talk "Introduction to Protein-ligand docking" | AICTE sponsored Faculty Development programme on Molecular Modeling and In silico Drug Designing organised by St. Joseph College of Engineering | 23.08.2021- 27.08.2021 |
| 9. | Resource person- Workshop | “Introduction to Bioinformatics and Molecular Docking using Software | Seven day Workshop on Computational analysis of genome using Bioinformatics Tools organized by Department of Botany, Mother Teresa Women’s University, | 22.11.2016- 29.11.2016 |

| 16 Details of publication of Articles/ Chapters written in EDITED BOOKS: | | | | |
|--|---|----------------------------|--|-----------------------------|
| S. No | Book Name | Title of Articles/Chapters | Name & Address of the Publisher | Month & Year of Publication |
| 1. | Futuristic Trends in Biotechnology Volume 3 Book 15 978-93-6252-549-9 | Part 6 (Editor) | Selfpage Developers Pvt. Ltd., Pushpagiri Complex, Beside SBI Housing Board, | February 2024 |

| 16 Details of publication of Articles/ Chapters written in EDITED BOOKS: | | | | |
|--|--|--|--|-----------------------------|
| S. No | Book Name | Title of Articles/Chapters | Name & Address of the Publisher | Month & Year of Publication |
| | | | K.M. Road Chikkamagaluru, Karnataka. | |
| 2. | Futuristic trends in Biotechnology Volume 2, Book 27, 2022, IIP Proceedings Volume 2, Book 27, 2022, IIP Proceedings | Genomics in Agriculture | Selfpage Developers Pvt. Ltd., Pushpagiri Complex, Beside SBI Housing Board, K.M. Road Chikkamagaluru, Karnataka. | November 2022 |
| 3. | Advancements in biological sciences; ISBN: 978-81-947361-1-0 | Therapeutic Potentials and Molecular Docking Studies of Seed extracts against Bacterial Food Pathogens isolated from the Environment | Association of Indian Biologists (AIB) | November 2020 |

| 17 Details of individual/collaborative MAJOR/MINOR research project undertaken: | | | | | | |
|---|----------------------|---|----------------|-----------------|-------------------------------|----------|
| S.No | Title of the Project | Name & Address of the Collaborating Faculty | Funding Agency | Fund Sanctioned | Period | Duration |
| 1 | Seed Grant | Department of Biotechnology | DDGDVC | Rs. 25,000 | January 2024- January 2025 | 1 year |

| 19 Details of papers published in JOURNALS: | | | | | | | |
|---|---------------------------------------|---------------------|--|---|---|-------------------------------|-----------------------------------|
| S.No | Journal Type (National/International) | Name of the Journal | Title of the article | Name of the Co-authors | VolNo, IssueNo, PageNos. ISSN No/DOI | Month and year of Publication | Impact Factor/SCI/Scopus (if any) |
| 1. | International | | Molecular Docking Studies on the Binding | Manoharan Yogalaxshmi, Ravichandran | https://www.jchr.org/index.php/J | November 2024 | SCOPUS |

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|----|---------------|------------------------------------|--|--|---|--------------|--------|
| | | | Interaction and Stability of Ovalbumin with 4-Dicyanomethylene -2,6-Dimethyl-4H-Pyran (DDPYRA) Dye in the Presence of Flavonoids | Keerthiga, Shreya Haridas, Anupurath Sumita, Gunasekaran Shoba, Rajendran Kumaran, Perumal Tamizhdurai | CHR/article/view/6691/4002 | | |
| 2. | International | Uttar Pradesh Journal of Zoology | Therapeutic Efficacy and Molecular Docking Analysis of Plant Extracts Against Urinary Tract Infection Pathogens | Madhiyazhagan, Pavithra and Venkat, S and Perumal, Sarath and Gunasekaran, Shoba | https://doi.org/10.56557/upjoz/2024/v45i194532 | October 2024 | WOS |
| 3. | | | | | | | |
| 4. | International | Asian J Pharm Res Health Care | In vitro and in silico network pharmacology analysis of eugenol from Syzygium aromaticum against Escherichia coli | A. Santhosh Kumar, N. Suvetha, Kannika Parameshwari Kannan, Shoba Gunasekaran , A. S. Smiline Girija. | DOI: 10.4103/ajprhc.ajprhc_56_24 | October 2024 | WOS |
| 5. | International | Indian Journal of Natural Sciences | Unveiling the Impact of Isopulegol in the Management of Diabetic Nephropathy: A Network Pharmacology based Approach | Maria Caroline Rebellow, Chandrasekaran Sankaranarayanan and Shoba Gunasekaran | https://tnsroindia.org.in/JOURNAL/issue85/ISSUE%2085%20-%20AUG%202024%20-%20FULL%20TEXT%20PART%2003.pdf | August 2024 | WOS |
| 6. | International | J Pharmacopuncture | Computational Evaluation on the Interactions of an Opaque-Phase ABC Transporter Associated with Fluconazole Resistance in | Mithil Vora, Smiline Girija AS, Shoba Gunasekaran , Vijayashree | https://doi.org/10.3831/KPI.2024.27.2.91 | July 2024 | IF 0.4 |

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|-----|---------------|---|--|---|---|-----------|-----------|
| | | | Candida albicans, by the Psidium guajava Bio-Active Compounds | Priyadharsini J. | | | |
| 7. | International | Research J. Pharm. and Tech. | In vitro and In silico Studies on Antidiabetic properties of Fisetin: Focus on interactions with PEPCCK and GSK3 β . | U. S. Mahadeva Rao, G. Shoba , A. Subramani, P. Tamizhdurai, R. Selvam, B. Priyanka, G. Sriram Prasath. | https://www.rjptonline.org/AbstractView.aspx?PID=2024-17-6-77 | June 2024 | Scopus |
| 8. | International | Pakistan Journal of Pharmaceutical Sciences | Effective inhibition of Sesbania grandiflora bioactive compounds against C-di-GMP phosphodiesterase of Pseudomonas aeruginosa. | Srilakshmi Ravi, Subashkumar Rathinasamy, Sivaranjini Annamalai, Shoba Gunasekaran , Santhosh Baboo Sethuraman | https://www.pjps.pk/uploads/2024/06/1718273235.pdf | June 2024 | IF: 0.8 |
| 9. | International | Korean Journal of Physiology and Pharmacology | Drug Ligand Interaction Between A.Baumannii Ptk Gene With The Bio-Active Compounds From The A.Indica. | Karthik. V, Smiline Girija. A.S, Shoba Gunasekaran , J. Vijayashree Priyadharsini | http://kjppor.com/index.php/kjpp/article/view/546 | May 2024 | WOS |
| 10. | International | Natural Product Research | Evaluation of phyto-gallic acid as a potential inhibitor of Staphylococcus aureus efflux pump mediated tetracycline resistance: an in-vitro and in-silico study. | Moubayed, N. M. S., Alsabbagh, R., Smiline, G. A. S., Shoba Gunasekaran , Alshihri, S., & Sabour, A. | https://doi.org/10.1080/14786419.2024.2349810 | May 2024 | IF: 2.2 |
| 11. | International | Journal of King Saud University - Science | Molecular analysis of bedaquiline resistance and genetic variations in clinical isolates | Vijayalakshmi J, Usharani B, S.R. Sri Ramkumar, Ameer K, | https://doi.org/10.1016/j.jksus.2024.103226 | May 2024 | IF: 3.829 |

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| | | | of multidrug and fluoroquinolones-resistant Mycobacterium tuberculosis. | Maria Jose V, Shoba Gunasekaran , ..., Saeedah Musaed Almutairi. | | | |
| 12. | International | Computers in Biology and Medicine | Insights into dietary phytochemicals targeting Parkinson's disease key genes and pathways: A network pharmacology approach | Devi Soorya NS, Premkumar T, Vino S, Radhika R, Shoba G , Deepa M, Satyavani K, Gilles HP, Gurudeeban S, Sajitha LS | https://doi.org/10.1016/j.compbiomed.2024.108195 | Feb 2024 | IF: 7.7 |
| 13. | International | Journal of Clinical and Diagnostic Research | Targeting the Enterococcal Fibronectin Binding Protein- A of Enterococcus faecalis with Bioactive Compounds from Aegle Marmelos: An In-vitro and In-silico Pilot Study, | Kothari V, Girija ASS, Shoba G , Priyadharsini JV. | https://doi.org/10.7860/JCDR/2024/66306.18973 | Jan 2024 | WOS |
| 14. | International | Journal of Pharmacopuncture | Characterization of Vancomycin Resistant Enterococci and Drug Ligand Interaction between vanA of E. faecalis with the Bio-Compounds from Aegles marmelos. | Jayavarsha V, Smiline Girija A S, Shoba Gunasekaran , Vijayashree Priyadharsini J | https://doi.org/10.3831/KPI.2023.26.3.247 | Sept 2023 | IF: 0.4 |
| 15. | International | Journal of King Saud University - Science | Antimicrobial potential of Chlorella sorokiniana on MRSA – An in vitro study and an in silico analysis on ClpP protease | Charmaine Lloyd, Malcolm Wai Kit Wong, Li Jiao Sin, Punitha Pandurangan Manickavasa gam, Shoba Gunasekara | https://doi.org/10.1016/j.jksus.2023.102668 | May 2023 | IF: 3.829 |

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| | | | | n, ..., A.S. Smiline Girija. | | | |
| 16. | International | International Journal of Infectious Diseases | Inhibition of Biofilm Formation and Quorum Sensing-controlled virulence factors of cariogenic oral pathogen Streptococcus mutans by 4-hydroxy-3-methoxybenzaldehyde | P. Sankar Ganesh, A. Smiline Girija, S. Sankar, G. Shoba, E.M. Shankar. | https://www.sciencedirect.com/science/article/pii/S1201971223004071 | May 2023 | IF: 8.7 |
| 17. | International | Ind. J. Pure App. Biosci. | Analysing the Impact of Bedaquiline Resistance in fluoroquinolone-Resistant Clinical Isolates and Investigating the Molecular Interactions of BDQ with the atpE Gene | Nehru, V. J., Muthaiah, M., Vadakunnel, M. J., Brammachary, U., Kumar, S., & Shoba Gunasekaran | http://dx.doi.org/10.18782/2582-2845.8983 | March 2023 | Google scholar |
| 18. | International | Medicina | Prediction of Putative Epitope Peptides against BaeR Associated with TCS Adaptation in Acinetobacter baumannii Using An In Silico Approach | Girija, A. S. Smiline, Shoba Gunasekaran , Saman Habib, and et al. | https://doi.org/10.3390/medicina59020343 | February 2023 | IF: 2.948 |
| 19. | International | Medicinal Plants - International Journal of Phytomedicines and Related Industries | Molecular docking studies of bioactive compounds from reclaimed seed extracts against bacteria causing urinary tract infections | Jayasree A, Rajamathangi R, Venkatesh S, Pavithra M, Shoba G and Sai Ramesh A | http://dx.doi.org/10.5958/0975-6892.2022.00071.5 | November 2022 | Scopus |
| 20. | International | Trends in Sciences | In Silico Molecular Interaction | Pushpa, R. R. N. S. ., Babulal, K. | https://doi.org/10.480 | November 2022 | Scopus |

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|-----|---------------|--|--|---|---|-------------|-----------|
| | | | Analysis and Pharmacokinetic Profiling of Flavonoids from Catharanthus roseus (Flower) Against TXNIP Protein | S. ., Kumaran, R. ., Shoba, G. ., & Balakumaran, M. D. | 48/tis.2023.6394 | | |
| 21. | International | Journal of Biomolecular Structure and Dynamics | Chemoprofiling and insilico prioritization of bioactive compounds from Laetiporus versisporus (Lloyd) Imazeki reveals potential Bcl-2 inhibitor. | Shoba G , Samdani A, Vetrivel, Umashankar, Ayyakannu, Usha Raja Nanthini | https://doi.org/10.1080/07391102.2022.2110155 | Sept 2022 | IF: 5.2 |
| 22. | International | Journal of the Indian Chemical Society | Molecular docking studies on the binding interaction and stability of ovalbumin with an intramolecular charge transfer dye 4-dicyanomethylene-2,6-dimethyl-4H-pyran in the presence of an antibiotic: Tetracycline | Thamarai Selvan Ramachandran, Seba Merin Vinod, Sangeetha Murugan Sreedevi, Shoba Gunasekaran , , Tamizhdurai Perumal, Raghupathi Chinnadurai, Kumaran Rajendran | https://doi.org/10.1016/j.jics.2022.100681 | August 2022 | IF: 0.243 |
| 23. | International | Journal of the Indian Chemical Society | Molecular docking approach on the molecular interactions involving beta-lactoglobulin (β LG)-4-Dicyanomethylene 2,6-Dimethyl-4-Hpyran (DDP) dye in the presence of an antibiotic, norfloxacin | Seba Merin Vinod, Murugan Sreedevi Sangeetha, Ramachandran Thamarai Selvan, Gunasekaran Shoba , Perumal Tamizhdurai, Rajendran Kumaran | https://doi.org/10.1016/j.jics.2022.100477 | April 2022 | IF: 0.243 |

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|-----|---------------|-----------------------------------|---|--|---|----------------|-----------|
| 24. | International | Journal of Saudi Chemical Society | Comparative studies on biophysical interactions between 4-dicyanomethylene-2,6-dimethyl-4H-pyran (DDP) with bovine serum albumin (BSA) and human serum albumin (HSA) via photophysical approaches and molecular docking techniques. | Thamarai Selvan Ramachandran, Shoba Gunasekaran , Sangeetha Murugan Sreedevi, Seba Merin Vinod, Kumaran Rajendran, Tamizhdurai Perumal, Alanazi Amer M, Ganesh P.-S | https://doi.org/10.1016/j.jscs.2021.101364 | December 2021 | IF: 4.712 |
| 25. | International | ACS Omega | Electrochemical Investigation and Molecular Docking Techniques on the Interaction of Acridinedione Dyes with Water-Soluble Nonfluorophoric Simple Amino Acids | Sumita Anupurath , Vasanthi Rajaraman, Shoba Gunasekaran , Anju Krishnan , Sangeetha Murugan Sreedevi , Seba Merin Vinod, Balakumaran Manickam Dakshinamoorathi , Kumaran Rajendran | https://doi.org/10.1021/acsomega.1c03172 | November 2021 | IF: 4.132 |
| 26. | International | Results in Chemistry | Photophysical and molecular docking studies of Photoinduced Electron Transfer (PET) and non-PET based fluorophores of Acridinedione derivatives with a glycoprotein: Ovalbumin. | Anupurath Sumita, Gunasekaran Shoba, Ramachandran Thamarai Selvan, Krishnan Anju, Manickam Dakshinamoorathi Balakumaran, | https://doi.org/10.1016/j.rechem.2021.100187 | September 2021 | WOS |

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|-----|---------------|---|---|--|---|----------------|-----------|
| | | | | Rajendran Kumaran | | | |
| 27. | International | Journal of King Saud University – Science | Investigation of phytochemical profile and in vivo anti-proliferative effect of <i>Laetiporus versisporus</i> (Lloyd) Imazeki mushroom against diethylnitrosamine-induced hepatocellular carcinoma. | Shoba Gunasekaran , Vijayakumar Mayakrishnan, SameerAl-Ghamdi, Mohammed AlsaidaneAymanGeddawy, Mohamed AAbdelaziz, Abubucker Peer Mohideen, Nasraddin OthmanBahakim, Thiyagarajan Ramesh, Usha Raja Nanthini Ayyakannu | https://doi.org/10.1016/j.jksus.2021.101551 | September 2021 | IF: 3.829 |
| 28. | International | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy | Interaction of acridinedione dye with a globular protein in the presence of site selective and site specific binding drugs: Photophysical techniques assisted by molecular docking methods | Krishnan Anju, Gunasekaran Shoba , Anupurath Sumita, Manickam Dakshinamoorathi Balakumaran, Rajaraman Vasanthi, Rajendran Kumaran | https://doi.org/10.1016/j.saa.2021.119814 | September 2021 | IF: 4.831 |
| 29. | International | Iranian Journal of Basic Medical Sciences | Detection of <i>csgA</i> gene in carbapenem-resistant <i>Acinetobacter baumannii</i> strains and targeting with <i>Ocimum sanctum</i> biocompounds | Saishree R Anchana, Smiline A S Girija, Shoba Gunasekaran , Vijayashree J Priyadharsini | https://pubmed.ncbi.nlm.nih.gov/34249272/ | May 2021 | IF: 2.532 |

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|-----|----------------------|--|--|--|---|---------------|-----------|
| 30. | International | In Silico Pharmacology | Molecular characterization and epitope-based vaccine predictions for ompA gene associated with biofilm formation in multidrug-resistant strains of <i>A.baumannii</i> . | Deepthi Sogasu, A. S. Smiline Girija, Shoba Gunasekaran & J. Vijayashree Priyadharsini | https://doi.org/10.1007/s40203-020-00074-7 | Jan 2021 | Published |
| 31. | International | Journal of Infection and Public Health | Essential oils as an effective alternative for the treatment of COVID-19: Molecular interaction analysis of protease (Mpro) with pharmacokinetics and toxicological properties | Sukanya Panikar, Gunasekaran Shoba , Muthukrishnan Arun, Jesudass Joseph Sahayarayan, A. Usha Raja Nanthini, Arunachalam Chinnathambi, Sulaiman A. Alharbi, Omaima Nasif, Hak-Jae Kim | https://doi.org/10.1016/j.jiph.2020.12.037 | December 2020 | IF: 7.537 |
| 32. | International | Journal of King Saud University – Science | Molecular characterisation of csgA gene among ESBL strains of <i>A. baumannii</i> and targeting with essential oil compounds from <i>Azadirachta indica</i> | Anu Iswarya Jaisankar, A.S. Smiline Girija, Shoba Gunasekaran , J. Vijayashree Priyadharsini | https://doi.org/10.1016/j.jksus.2020.09.025 | Sept 2020 | IF: 3.829 |
| 33. | International | International Journal of Peptide Research and Therapeutics | Accessing the T-Cell and B-Cell Immuno-Dominant Peptides from <i>A.baumannii</i> Biofilm Associated Protein (bap) as Vaccine Candidates: A Computational Approach. | Girija, A.S.S., Shoba, G. & Priyadharsini, J.V | https://doi.org/10.1007/s10989-020-10064-0 | April 2020 | IF: 2.191 |
| 34. | International | International Journal of | Molecular Interactions | Shoba G , Pavithra AS | Special Issue-4 | 2017 | Nil |

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|-----|---------------|---|---|--|--|--------------|-----|
| | | Current Research and Academic Review | Analysis on Mutant H-Ras P21 and Bioactive Compounds from <i>Phyllanthus emblica</i> Linn | and Ananthi S | ISSN: 2347-3215 | | |
| 35. | International | International Journal of Current Research and Academic Review | Molecular Docking Studies of Bitter Gourd Compounds against P53 Drug Target | Shoba G and Premalatha M | Special Issue-4 ISSN: 2347-3215 | 2017 | Nil |
| 36. | International | International Journal of Current Research and Academic Review | Motif and Evolutionary Analysis of Chitinase –An <i>In Silico</i> Approach | Shoba G , Kalaivani N, Viji Varghese and Sofiya M | Special Issue-3, 231-240 ISSN: 2347-3215 | August 2016 | Nil |
| 37. | International | International Journal of Current Research and Academic Review | Screening of Novel MAPK Inhibitor from Ethanolic Extract of Stem of <i>Leucas aspera</i> (Thumbai) using GCMS and <i>In Silico</i> Analysis | Keerthana PM, Shoba G and Padmini R | Special Issue-3, 195-206 ISSN: 2347-3215 | August 2016 | Nil |
| 38. | International | International Journal of Current Research and Academic Review | Insights into Quercetin for Its Antitoxic Activity from Molecular Docking Studies | Durga M, Shoba G and Sofiya M | Special Issue-3, 148-157 ISSN: 2347-3215 | August 2016 | Nil |
| 39. | International | International Journal of Current Research and Academic Review | Comparative <i>In Silico</i> Docking Analysis of Phytochemicals from <i>Murraya koenigii</i> and Commonly used Drugs in the Treatment of Cancer | Victoriya Salomi M, Manimekalai R and Shoba G | Special Issue-3, 119-133 ISSN: 2347-3215 | August 2016 | Nil |
| 40. | International | Journal of Computational Methods in | Molecular docking studies of acetate-succinate CoA-transferase of <i>Ascaris</i> | Parvatham K, Veerakumari L. and Shoba G | 5 (4): 1-10; ISSN : 2231-3176 | January 2015 | Nil |

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|-----|---------------|---|--|--|---------------------------------------|----------|--------|
| | | Molecular Design | <i>lumbricoides</i> with a few phytochemicals and anthelmintics | | | | |
| 41. | International | International Journal of Pharma and Bio Sciences, | <i>In silico</i> Docking Analysis of Carbazole Alkaloids from <i>Murraya koenigii</i> Against PP2A | Dr. R. Manimekalai, M. Victoriya Salomi, and G. Shoba | 6(1): (B) 913 – 928 ISSN 0975-6299 | Jan 2015 | Scopus |
| 42. | International | International Journal of Pharma and Bio Sciences, | Flavonoids - Natural Therapeutic Agents for Polycystic Kidney Disease | G. Shoba , Shyamala Hari, G. Prabhavathi, Sugeetha Stella | Vol.1/Issue-4/Oct- ISSN 0975-6299 | Dec.2010 | Scopus |

| 20 | Details of AWARDS received: | | |
|------|--|---|---------------------------------|
| S.No | Title of the Award | Awarding Agency / University / Government | Month/Year |
| 1. | Best Researcher Award | SIMATS Engineering | October 2024 |
| 2. | Trends in Sciences Best Paper Awards 2023; Cash Award – 50,000 THB | Trends in Sciences Journal, Walailak University, Thailand | December 2023 |
| 3. | Best Women Researcher Award | RSRI Society, Tamil Nadu, India | December 2022 |
| 4. | Excellent Research Paper Award | Novel Research Academy, Puducherry, India | Nov 2021 |
| 5. | Young Researcher Award 2021 | Institute of Scholars | December 2020 |
| 6. | Best Oral Presentation “GOLD AWARD” | International E- conference on Biotechnology, Bioinformatics, and Biomedicine 2020, organized by Faculty of Applied sciences, AIMST University, Malaysia. | August 24-26, 2020 |
| 7. | Best Article Award | Association of Global Academicians and Researchers in collaboration with Association of Indian Biologists, Tamil Nadu, India | November 4 th , 2020 |
| 8. | Proficiency prize | Valliammal College for Women, Chennai, Tamil Nadu, India | 2004 & 2005 |

| 21 Details of MEMBERSHIP IN EDITORIAL BOARD/ACADEMIC AGENCIES/BODIES: | | | | |
|--|--|------------------------------|------------------------------|-------------|
| S.No | Name of the Journal/Magazine/Agency | Position in the Board | ISBN/ISSN No.(if any) | Year |
| 1. | Journal of Molecular Modeling | Reviewer | 1873-4243 | 2024 |
| 2. | Next Research | Reviewer | 3050-4759 | 2024 |
| 3. | Journal of Neuroimmune Pharmacology | Reviewer | 1557-1904 | 2024 |
| 4. | Pharmaceutical Biology | Reviewer | 1744-5116 | 2022 |
| 5. | PloS one | Reviewer | 1932-6203 | 2021 |
| 6. | Research Journal of Pharmacy and Technology | Reviewer | 0974-3618 | 2021 |
| 7. | Computers in Biology and Medicine | Reviewer | 0010-4825 | 2021 |
| 8. | InSc Journals | Editorial member & Reviewer | Nil | 2021 |
| 9. | Indian Science Congress Association | Member | Membership No. L43361 | 2023 |
| 10. | Indian Association of Applied Microbiologists (IAAM) | Member | Membership No. 555 | 2022 |
| 11. | Institute of Scholars | Member | Membership No.20210269 | 2021 |
| 12. | Association of Indian Biologists | Member | Membership No.LF372020 | 2020 |

| 22 POSITIONS HELD in this institution: | | | |
|---|-------------------------------------|---------------------|---------------------|
| S.No. | Institution/Department Level | Position | Duration |
| 1. | DDGDVC/Biotechnology | Assistant professor | June 2019-Till Date |