



PRAVARA INSTITUTE OF MEDICAL SCIENCES

(Deemed to be University)

University Established Under Section (3) of UGC Act
NAAC Re-accredited with "A" Grade (CGPA 3.17)

COLLEGE OF BIOSCIENCES AND TECHNOLOGY



Research Publication Details (2010-2024)

1. Gupta, G., Joshi, D., Narayan, G., Sharma, S., & Hallur, R. L. S. (2024). GSK-3 β inhibitor can rescue neurons through the prosurvival (autophagy) mechanism in Parkinson's disease. *Pravara Medical Review*, 16(2), 25–35.
2. Sartorão Filho, C. I., Pinheiro, F. A., Takano, L., Prudêncio, C. B., Nunes, S. K., Hallur, R. L. S., Calderon, I. M. P., Barbosa, A. M. P., Rudge, M. V. C., & Diamater Research Group. (2024). Risk factors for postpartum urinary incontinence: The impact of early-onset and late-onset gestational diabetes mellitus in a nested case-control study. *European Journal of Obstetrics & Gynecology and Reproductive Biology*, 290, 5–10.
3. Jyothsna, B. S., Dey, S., Venkataraman, S., Hallur, R. L. S., & Srivastava, D. (2024). Molecular, morphological, and biomolecular characterization of ethyl methanesulfonate-induced mutations in *Aerides odoratum*, an orchid. *Journal of Applied Biology & Biotechnology*, 12(4), 136–143.
4. Kavana, D. K., Bhanupriya, C., Manjegowda, D. S., Bhat, G., Gupta, G., Susha, D., Sharma, S., & Hallur, R. L. S. (2024). Exploring *Catharanthus roseus*-derived compounds for targeting estrogen receptors: A molecular docking approach in cancer therapy. *African Journal of Biological Sciences*, 6(13), 686–697.
5. Pant, G., Priya, N. L., Ajith, A., Menon, A. R., K, A., Sahay, A., Bhat, S. S., & Hallur, R. L. S. (2024). Exploring the anticancer potential of methanolic extract of *Laurus nobilis* against breast cancer: In vitro and in silico studies. *African Journal of Biological Sciences*, 6(5), 2205–2219.
6. Ibrahim, S., Naik, N., Shivamallu, C., Hallur, R. L., Shati, A. A., Alfaifi, M. Y., Elbehairi, S. E. I., Amachawadi, R. G., & Kollur, S. P. (2024). Synthesis, structure, and in vitro biological studies of benzothiazole-based Schiff base ligand and its binary and ternary Co (III) and

Ni (II) complexes. *Inorganica Chimica Acta*, 559, 121792.
<https://doi.org/10.1016/j.ica.2024.121792>

7. Costa, S. M. B., Hallur, R. L. S., Reyes, D. R. A., Floriano, J. F., Carvalhaes, M. A. B. L., Nunes, H. R. C., Sobrevia, L., Valero, P., Barbosa, A. M. P., Rudge, M. C. V., & The Diamater Study Group. (2024). Role of dietary food intake patterns, anthropometric measures, and multiple biochemical markers in the development of pregnancy-specific urinary incontinence in gestational diabetes mellitus. *Nutrition*, 117, 112228. <https://doi.org/10.1016/j.nut.2024.112228>
8. Jain, P., Zameer, F., Khan, K., Alva, V., Huchegowda, R., Akki, A. J., Venkataramanaiah, R. A., Krishnasamy, M., Apturkar, D., & Hallur, R. L. (2024). Artificial intelligence in diagnosis and monitoring of atopic dermatitis: From pixels to predictions. *Artificial Intelligence in Health*, 1(2), 48–65.
9. Veena, M. A., Kumar, C. M. H., Majani, S. S., Munirajappa, N. N., Harendra, B., Shivamallu, C., Hallur, R. L., Shati, A. A., Alfaifi, M. Y., Elbehairi, S. E. I., & Kollur, S. P. (2024). Eco-friendly synthesized manganese dioxide nanoparticles using *Tridax procumbens* as potent antimicrobial and dye degrading agent. *Results in Chemistry*, 7, 101290. <https://doi.org/10.1016/j.rechem.2024.101290>
10. Kaleeswaran, S., Pagalavan, N., Ramanidharan, A. P., Nandhini, T., Nagarjun, V., Sathish, P., & Hallur, R. L. S. (2024). Analyzing *Spathiphyllum wallisii* (Peace Lily) for anti-cancer receptor targeting: In vitro and in silico investigation across varying concentrations. *African Journal of Biological Sciences*, 6(5), 5396–5407.
11. Kenchappa, P. G., Karthik, Y., Vijendra, P. D., Hallur, R. L. S., Khandagale, A. S., Pandurangan, A. K., Jayanna, S. G., Alshehri, M. A., Alasmari, A., Sayed, S., Shantaram, M., & Mushtaq, M. (2023). In vitro evaluation of the neuroprotective potential of *Olea dioica* against A β peptide-induced toxicity in human neuroblastoma SH-SY5Y cells. *Frontiers in Pharmacology*, 14, 1139606.
12. Chetan, D. M., Namana, H. B., Pai, A. A., Anjali, R. K., Nathan, J. F., Prathiksha, B., Raghavendra, H. L., Narendra, K. S., Patil, R. H. S., Venkatesh, V., Venkatesh, K. H., & Bhat, R. S. (2023). Evaluation of *Garcinia mangostana*, *Lantana camara* and *Piper betel* for pharmaceutical applications. *International Journal of Zoological Investigations*, 9(1), 737–743. <https://doi.org/10.33745/ijzi.2023.v09i01.082>
13. Chetan, D. M., Raghavendra, H. L., Narendra, K. S., Ravikumar, P. H. S., Ramesh, S. B., Venkatesh, V., & Venkatesh, K. H. (2023). Quantitative Analysis of Bio-Surfactants

Produced from Bacterial Strains. *International Journal of Zoological Investigations*, 9(1), 818–823. <https://doi.org/10.33745/ijzi.2023.v09i01.091>

14. Shantaram, G. K., P., M., H. L., Raghavendra, Kumar M., S., V. K., H., & D. V., P. (2023). A comprehensive analysis of wild edible fruits from the Rangayyanadurga four-horned antelope wildlife sanctuary. *Biomedicine*, 43(02), 545–553. <https://doi.org/10.51248/.v43i02.2647>
15. Rudge, M. V. C., Alves, F. C. B., Hallur, R. L. S., Oliveira, R. G., Vega, S., Reyes, D. R. A., Floriano, J. F., Prudencio, C. B., Garcia, G. A., Reis, F. V. D. S., Emanueli, C., Fuentes, G., Cornejo, M., Toledo, F., Valenzuela-Hinrichsen, A., Guerra, C., Grismaldo, A., Valero, P., Barbosa, A. M. P., & Sobrevia, L. (2023). Consequences of the exposome to gestational diabetes mellitus. *Biochimica et Biophysica Acta. General Subjects*, 1867(2), 130282. <https://doi.org/10.1016/j.bbagen.2022.130282>
16. Hallur, L. S., R., Shaikh, K., F., V. N., M., & Shantaram, M. (2023). High-performance liquid chromatography method development and validation for the quantification of mangiferin in *Coffea arabica* leaves. *Biomedicine*, 43(1), 108–113. <https://doi.org/10.51248/.v43i1.2574>
17. Jaiwal, B. V., Shaikh, F. K., Bradosty, S. W., Patil, A. B., & Hallur, R. L. S. (2023). Identification of matrix metalloproteinases inhibitors from methanol extract of *Peltophorum pterocarpum* leaves. *Journal of Applied Biology and Biotechnology*, 11(4), 92–98. <https://doi.org/10.7324/JABB.2023.109398>
18. Thete, R. S., Roushani, S., Shaikh, F. K., Kulkarni, J., & H. L, Raghavendra (2023). Isolation and Characterization of protease Inhibitors with antimicrobial Activity from Sirisa (*Albizia lebbeck*) Seed Protein Extract. *Biosciences Biotechnology Research Asia*, 20(1), 85–95. <https://doi.org/10.13005/bbra/3071>
19. Das, S., & Hallur, L. S. R, Baran Mandal A (2023). Evaluation of *Semecarpus kurzii* Engler from Bay Islands for oxidative DNA damage protective activity and in vitro antioxidant potential. *Biomedicine*, 43(02), 595–602. <https://biomedicineonline.org/index.php/home/article/view/1961>
20. Soorya Aravindakshan, A., & Hallur, L. S. R, Sharma S (2023). In silico analysis of *Trichosanthes lobata* extracts: A promising source of antioxidants for therapeutic applications. *Biomedicine*, 43(3), 897–890. <https://biomedicineonline.org/index.php/home/article/view/2912>
21. França DCH, França EL, Sobrevia L, Barbosa AMP, Honorio-França AC, Rudge MVC; Diamater Study Group (2023). Integration of nutrigenomics, melatonin, serotonin and

- inflammatory cytokines in the pathophysiology of pregnancy-specific urinary incontinence in women with gestational diabetes mellitus. *Biochim Biophys Acta Mol Basis Dis.*, 1869(6), 166737.
22. Akshay Patil, Ganesh Janvale, ShrutiShinde, Dhanvarsha Bhusari, and Sanghamitra Kadam (2023). In vitro α - amylase inhibitory and anti-inflammatory activity of Butea monosperma silver nanoparticles. *International Journal of Advanced Biochemistry Research*, 7(2), 19-24.
23. Akshay Milind Patil, Ganesh Bapurao Janvale, Dhanvarsha Pralhad Bhusari, ShrutiShinde Shahaji Shinde (2023). Bioprospecting of *Adhatoda vasica* for Identification of Novel Compounds using Chromatographic Methods and Screening for Antidiabetic and Antioxidant Activity. *Journal for Research in Applied Sciences and Biotechnology*, 2(4), 80-87. <https://doi.org/10.55544/jrasb.2.4.10>
24. Akshay Milind Patil, Sonali Das, Ganesh Bapuro Janvale, ShrutiShinde Shahaji Shinde, Dhanvarsha Pralhad Bhusari and Sanghamitra Kadam (2023). Anti-diabetic and anti-inflammatory activity of different metabolites extracted from Mesua ferrea using chromatographic techniques. *Journal of Medicinal Plants Studies*, 11(5), 01-12
25. Akshay Milind Patil, ShrutiShinde Shahaji Shinde, Dhanvarsha Pralhad Bhusari and Ganesh Bapuro Janvale (2023). Identification of novel compounds using chromatographic methods and screening for protease activity and anti-inflammatory activity of *Adhatoda vasica*. *International Journal of Clinical Biology and Biochemistry* 2023; 5(2), 01-07.
26. Akshay Milind Patil, Sonali Das and Raghavendra HL (2023). Qualitative evaluation of inhibition of β -hematin formation antimarial and radical scavenging activity of synthesized Butea monosperma silver nanoparticles. *International Journal of Advanced Academic Studies* 2023; 5(8), 16-20
27. Kunkulol, R., Hallur, L. S., Magare, N., SridharaSetty, B. P., & Shantaram, M. (2023). Carbon dots and their biomedical and biotechnological applications. *Biomedicine*, 43(5), 1376–1384.
28. Varughese, A., Kotian, G. B., Hallur, R. L. S., & Shantaram, M. (2023). Association of electrolyte imbalance, coagulopathy, procalcitonin, and mortality in patients with SARS-CoV-2. *Biomedicine*, 43(5), 1578–1581.
29. Sridara Setty, P. B., Hallur, R. L. S., & Gopinath, S. M. (2023). Qualitative and in silico evaluation of phytochemical constituents of leaf, peel and bark extracts of pomegranate

(*Punica granatum* L.). *Biomedicine*, 43(4), 1130–1137.
<https://doi.org/10.1016/j.biomed.2023.04.012>

30. França, D. C. H., Honorio-França, A. C., Silva, K. M. R., Alves, F. C. B., Bueno, G., Costa, S. M. B., Cotrim, A. C. de M., Barbosa, A. M. P., França, E. L., & Rudge, M. V. C. (2023). Serotonin and interleukin 10 can influence the blood and urine viscosity in gestational diabetes mellitus and pregnancy-specific urinary incontinence. *International Journal of Molecular Sciences*, 24, 17125. <https://doi.org/10.3390/ijms241717125>
31. Murthuza, S., Manjunatha, B. K., Vidya, S. M., Shaikh, F. K., Magare, V. N., & Hallur, R. L. S. (2023). Isolation, purification and anti-cancer potency of novel compound 6-ethyl-3-hydroxy-4-methyl-8aH-xanthen-9 (10aH)-one from *Mesua ferrea* Linn from Western Ghats of Karnataka. *Indian Journal of Pharmaceutical Sciences*, 85(6). <https://doi.org/10.36468/pharmaceutical-sciences.85.6>
32. Al-Haik, W. M., Bawazir, A. M. A., Shantaram, M., Malli, C. S., Al-Haddad, A. M., Hallur, R. L. S., Bakhala, W. M., Barshed, A. O., Bagrwan, K. M., & Al-Magdi, A. S. (2023). In vitro diagnosis of superficial dermatophytes isolated from primary school children in Mukalla city of Yemen and effect of some plant extracts. *Biomedicine*, 43(6), 1794–1801. <https://doi.org/10.1016/j.biomed.2023.06.012>
33. Sayyed, S., Sriranjini, A. S., Selvakumar, K., & Hallur, R. L. S. (2023). Exploring *Mycobacterium tuberculosis* microarray data: Identification of interleukin (IL) as a key deregulated gene family for targeted therapy with phytochemicals. *Biomedicine*, 43(6), 1667–1676. <https://doi.org/10.1016/j.biomed.2023.06.006>
34. V. Jaiwal, B., K. Shaikh, F., W. Bradosty, S., B. Patil, A., L.S. Hallur, R., & Shantaram, M. (2023). In vitro screening of ninety-five plant extracts for inhibition of *Clostridium histolyticum* collagenase and *Bacillus polymyxa* metalloprotease- analogous human MMPs. *Biomedicine*, 43(5), 1398–1408. <https://doi.org/10.51248/.v43i5.3640>
35. B. Shekhany, F. Ozer, E. Aytar, S. W. Bradosty, M. U. Boyraz, A. O. Gurol, F. K. Shaikh, F. Suzergoz (2023). Anticancer Effects of Heterocyclic Schiff Base Ligands and Their Metal Complexes on Leukemia Cells. *Indian J Pharm Sci* 2023; 85(4), 953-961. <https://doi.org/10.36468/pharmaceutical-sciences.1161>
36. K.M. Rajeshwari, M.R. Suhasini, S. Bindya, A.B. Hemavathi, Nemat Ali, Raghavendra G. Amachawadi, Chandan Shivamallu, Raghavendra L.S. Hallur, Sanjay S. Majani, Shiva Prasad Kollur (2023). Photocatalytic efficacy of Magnesium oxide nanoparticles in dye

Degradation: A sustainable One-Pot synthesis utilizing *Syzygium samarangense* L. Extract, *Results in Chemistry*, 6, 101193. <https://doi.org/10.1016/j.rechem.2023.101193>

37. Pinheiro, F. A., Sartorão Filho, C. I., Prudencio, C. B., Nunes, S. K., Pascon, T., Hallur, R. L. S., Takano, L., Enriquez, E. M. A., Catinelli, B. B., Carr, A. M., Junginger, B., Rudge, M. V. C., & Barbosa, A. M. P. (2022, April 14). Pelvic floor muscle dysfunction at 3D transperineal ultrasound in maternal exposure to gestational diabetes mellitus: A prospective cohort study during pregnancy. *Neurourology and Urodynamics*, 41(5), 1127-1138. <https://doi.org/10.1002/nau.24927>
38. Bruna B. Catinelli, Patrícia S. Rossignoli, Juliana F. Floriano, Aline M. Carr, Rafael G. de Oliveira, Nilton J. dos Santos, Lara C. C. Úbeda, Maria Angélica Spadella, Raghavendra L. S. Hallur, Luis Sobrevia, Sérgio L. Felisbino, Iracema M. P. Calderon, Angélica M. P. Barbosa, Marilza V. C. Rudge & The Diamater Study Group (2022). Reversal of diabetic-induced myopathy by swimming exercise in pregnant rats: a translational intervention study. *Scientific Reports*, 12(1):7375. <https://doi.org/10.1038/s41598-022-10801-z>
39. Raghavendra, H. L., Prashith Kekuda, T. R., Upashe, S. P., Dsilva, F., Ravikumar Patil, H. S., & Shivanandappa, K. C. (2022, February 1). Evaluation of the food, nutrition value, and α -glucosidase inhibitory activity of the ripe and unripe fruit of *Rubus steudneri* Schweinf. *International Food Research Journal*, 29(1), 200-209. <https://doi.org/10.47836/ifrj.29.1.21>
40. Alves, F. C. B., Oliveira, R. G. D., Reyes, D. R. A., Garcia, G. A., Floriano, J. F., Shetty, R. H. L., Mareco, E. A., Dal-Pai-Silva, M., Payão, S. L. M., Souza, F. P. D., Witkin, S. S., Sobrevia, L., Barbosa, A. M. P., & Rudge, M. V. C. (2022, October 25). Transcriptomic Profiling of Rectus Abdominis Muscle in Women with Gestational Diabetes-Induced Myopathy: Characterization of Pathophysiology and Potential Muscle Biomarkers of Pregnancy-Specific Urinary Incontinence. *International Journal of Molecular Sciences*, 23(21), 12864. <https://doi.org/10.3390/ijms232112864>
41. Baldini Prudencio, C., Kenickel Nunes, S., Affonso Pinheiro, F., Isaias Sartorão Filho, C., Ignácio Antônio, F., Thomaz de Aquino Nava, G., Guilen de Oliveira, R., Hallur Lakshmana Shetty, R., Vieira Cunha Rudge, M., & Mércia Pascon Barbosa, A. (2022). 152 Relaxin-2 During Pregnancy According To Glycemia And Continence Status. *Continence*, 2, 100264. <https://doi.org/10.1016/j.cont.2022.100264>

42. V. Jaiwal, B., K. Shaikh, F., B. Patil, A., & L. S. Hallur, R. (2022, November 14). Identification of three coagulins as MMP inhibitors from *Withania coagulans* Dunal fruits. *Biomedicine*, 42(5), 929–937. <https://doi.org/10.51248/.v42i5.1926>
43. Rajanna, M., Shivashankar, L. M., Shivamurthy, O. H., Ramachandrappa, S. U., Betageri, V. S., Shivamallu, C., Hallur Lakshmana Shetty, R., Kumar, S., Amachawadi, R. G., & Kollur, S. P. (2022, October 17). A Facile Synthesis of Cellulose Nanofibers from Corn Cob and Rice Straw by Acid Hydrolysis Method. *Polymers*, 14(20), 4383. <https://doi.org/10.3390/polym1420438>
44. Reyes, D. R. A., Barbosa, A. M. P., Juliana, F. F., Sofia, Q. B. C. V., Costa, S. M. B., Hallur, R. L. S., Enriquez, E. M. A., Oliveira, R. G., de Souza Rossignolli, P., Pedroni, C. R., Alves, F. C. B., Garcia, G. A., Abbade, J. F., Carvalho, C. N. F., Sobrevia, L., Rudge, M. V. C., Calderon, I. I. M. P., Souza, F. P., Lehana, T., . . . Carvalho, H. L. (2022, October 14). Viability of ex-vivo myography as a diagnostic tool for rectus abdominis muscle electrical activity collected at Cesarean section within a diamater cohort study. *BioMedical Engineering OnLine*, 21(1). <https://doi.org/10.1186/s12938-022-01042-2>
45. Chetan D. M, Raghavendra H. L, Ramesh S. Bhat, Narendra Kumar S, & Venkatesh Kamath H. (2022, October 10). Assessment of Physicochemical Characteristics of Various Water Sources. *Journal of Pharmaceutical Negative Results*, 1470–1478. <https://doi.org/10.47750/pnr.2022.13.s06.196>
46. Pooja G Singh, Anisha S Jain, Poojitha B. Sridhara Setty, Sushma BV, Sharanagouda S. Patil, Ashwini P, Gopenath TS, Kuralayanapalya Puttahonnappa Suresh, Guru Kumar Dugganaboyana, Karthikeyan Murugesan, Ashok Gnanasekaran, Chandan Shivamallu, Shiva Prasad Kollur, Chandrashekhar Srinivasa, Raghavendra HL, Parthiban Rudrapathy Kanthesh M Basalingappa. (2022, August 31). Antimicrobial, antioxidant and anti-inflammatory activities of seeds from *Emblica officinalis* (Gaertn.). *Bioinformation*, 18(8), 683–691. <https://doi.org/10.6026/97320630018683>
47. Prudencio, C. B., Nunes, S. K., Pinheiro, F. A., Sartorão Filho, C. I., Nava, G. T. D. A., Salomoni, S. E., Pedroni, C. R., Rudge, M. V. C., & Barbosa, A. M. P. Diamater Study Group (2022, October 6). Gestational diabetes is associated with alteration on pelvic floor muscle activation pattern during pregnancy and postpartum: Prospective cohort using electromyography assessment. *Frontiers in Endocrinology*, 13. <https://doi.org/10.3389/fendo.2022.958909>

48. K.S., V., Raghavendra L.S. Hallur, & Prashith Kekuda. (2022, March 5). Preliminary phytochemical analysis and in vitro antioxidant activity of *Glochidion ellipticum* Wight (Phyllanthaceae). *Biomedicine*, 42(1), 148–153. <https://doi.org/10.51248/.v42i1.654>
49. Shaikh, F. K., Bradosty, S. W., Gadge, P. P., Jaiwal, B. V., Padul, M. V., & Patil, A. B. (2022, August 1). Proteinase inhibitors of pigeonpea cv. BSMR 736: Characterization and bioefficacy against *Helicoverpa armigera*. *Cihan University-Erbil Scientific Journal*, 6(2), 9–16. <https://doi.org/10.24086/cuesj.v6n2y2022.pp9-16>
50. Rai, P., Das, S., Kamble, S., & Raytekar, N. (2022, May 25). Isolation, Identification and Characterization of Feather degrading Bacteria from Feather Dumping Sites. *Research Journal of Biotechnology*, 17(6), 109–115. <https://doi.org/10.25303/1706rjbt1090115>
51. Gaikwad, K. D., Khobragade, R. M., Deodware, S. A., Ubale, P. A., Dhale, P. C., Ovhal, R. M., Shivamallu, C., Ankegowda, V. M., Raghavendra, H. L., Gaikwad, S. H., & Kollur, S. P. (2022, January). Chemical synthesis, spectral characterization and biological activities of new diphenylsulphone derived Schiff base ligand and their Ni(II) complexes. *Results in Chemistry*, 4, 100617. <https://doi.org/10.1016/j.rechem.2022.100617>
52. Chetan D. M, Dr. Narendra Kumar S, Raghavendra H. L, Venkatesh Kamath H, Anil Kumar H. S (2022). Production and Characterization of Levan by Bacteria Found in Solid Wastes. *Neuroquantology*, 20(12), 3744-3752. <https://doi.org/10.14704/NQ.2022.20.12.NQ773701>
53. Jyoti Kulkarni (2022). Isolation and Characterization of Rhizobium from Roots of Fenugreek and its use as a Biofertilizer. *International Journal of Emerging Technologies and Innovative Research*, 9(7), e272-e277.
54. Jadhav, S. Y., M., Gadekar, Das, S., M., Dibare G. and Kale, S. (2022). Extraction, Isolation and Purification of Bromelian enzyme from pineapple different parts and its comparative study. *I. J. Res. Analy. Rev.*, 9(2), 344-353.
55. Floriano J. F., Emanueli C., Vega S., Barbosa A. M. P., Oliveira R. G., Floriano E. A. F., Graeff C. F. O., Abbadie J. F., Herculano R. D., Sobrevia L., Rudge M. V. C.; DIAMATER Study Group. (2022, February). Pro-angiogenic approach for skeletal muscle regeneration. *Biochim Biophys Acta Gen Subj.*, 1866(2), 130059. <https://doi.org/10.1016/j.bbagen.2021.130059>
56. Floriano J. F., Barbosa A. M. P., de Oliveira R. G., Vega S., Catinelli B. B., Garcia G. A., Reyes D. R., Sobrevia L., Rudge M. V. C.; DIAMATER Study Group. (2022, December).

- Maternal care of the whole litter improves the success rate of diabetes in pregnancy in rats. *Placenta*, 130, 42-45. <https://doi.org/10.1016/j.placenta.2022.11.002>
57. Patil, A. M., Das, S., Raghavendra, H. L., Honde, B. S., & Janvale, G. B. (2022). Synthesis of Silver Nanoparticles from *Butea monosperma* for Anticancer Activity on MCF 7 Human Breast Cancer Cell Line. *International Journal of Creative Research Thoughts*, 10(12), 215-221.
58. Honde, Bharat S., Patil, Akshay M., & Karale, Rushikesh (2022). Drug Discovery, Docking, Modelling, Synthesis and Anticancer Screening of New Cyclopentanone Derivatives. *International Journal of All Research Education and Scientific Methods*, 10(12), 1081-1086.
59. Patil, A., & Das, S. (2021). Study of antibiofilm activity of *Butea monosperma* silver nanoparticles against *Candida albicans* and *Proteus mirabilis*. *Vidyabharati International Interdisciplinary Research Journal*, 10(2), 1895-1901.
60. Patil, A., & Das, S. (2021). Qualitative and quantitative determination of phytochemicals in *Butea monosperma*. *Kalyan Bharti*, 36(9), 389-395.
61. Patil, A. M., Gunjal, P. P., & Das, S. (2021). *In vitro* micropropagation of *Lilium candidum* bulb by application of multiple hormone concentrations using plant tissue culture technique. *International Journal for Research in Applied Sciences and Biotechnology*, 8(2), 244-253.
62. Jadhav, S. Y., Das, S., Patil, A. M., Gadekar, M., Dibare, G., & Shinde, S. S. (2021). Evaluation of antidiabetic, antioxidative, and proteolytic potentials of *Salacia chinensis* organic extracts. *Journal of Medicinal Plants Studies*, 9(6), 42-46.
63. Kamble, S. P., & Shinde, K. D. (2019). Anti-biofilm activity against gram-positive bacteria by biologically synthesized silver nanoparticles using *Curcuma longa*. *Pharmaceutical Nanotechnology*, 6(3), 165-170.
64. Patil, A. M., & Das, S. (2019). Green synthesis of silver nanoparticles, its characterization, and biological applications. *Journal of Advances and Scholarly Researches in Allied Education*, 16(9), 930-934.
65. Raytekar, N. A., & Choudhari, M. R. (2018). Evaluation of plasmid and resistance profile of *Pseudomonas aeruginosa* from clinical isolates in Pravara rural tertiary care hospital of Western Maharashtra. *British Journal of Pharmaceutical and Medical Research*, 3(1), 707-805.
66. Kamble, S., Bhagiya, S. G., Shinde, K., & Vikhe, G. (2018). Isolation and analysis of MMP's (gelatinase) in bamboo and spinach by gelatin zymography. *Biochemical and Cellular Archives*, 18(1), 601-604.

67. Kamble, S. P., Vikhe, G. P., & Chamle, D. R. (2018). Extraction and purification of phycoerythrin: A natural coloring agent from *Spirulina platensis*. *Journal of Pharmaceutical, Chemical and Biological Sciences*, 6(2), 78-84.
68. Raytear, N. A., Choudhari, M. R., & Das, S. (2017). Antibiotic profiling of *Pseudomonas aeruginosa* isolates from pus samples of a rural tertiary care hospital of Western Maharashtra, Loni, India. *International Journal of Research in Medical Sciences*, 5(7), 3076-3081.
69. Bansode, T. S., & Salalkar, B. K. (2017). Phytotherapy: Herbal medicine in the management of diabetes mellitus. *Plant Science Today*, 4(4), 161-165.
70. Wadhwa, B., & Dambre, R. (2016). Achieving resistance specificity in prostate cancer. *Chemico-Biological Interactions*, 260, 243-247.
71. Bansode, T. S., & Salalkar, B. K. (2016). Exploiting the therapeutic potential of secondary metabolites from *Salvadora persica* for diabetes using *in silico* and *in vitro* approaches. *Journal of Life Science and Biotechnology*, 1(5), 127-136.
72. Vijay C. Jamdhade, S.V. Tembhurne, Suresh Kamble & Babasaheb S. Surwase (2015). Gastroprotective and antioxidant potential of methanol root extract of *Taverniera cuneifolia* (Roth) Arn. in albino Wistar rat. *Journal of Biologically Active Products from Nature*, 5, 149-161.
73. Bansode, T. S. (2015). Phytochemical analysis of some selected Indian medicinal plants. *International Journal of Pharma and Bio Sciences*, 6(1), 550-556.
74. Kamble, S. P., & Fawade, M. M. (2014). A rapid and inexpensive one-tube genomic DNA extraction method from *Agrobacterium tumefaciens*. *3Biotech*, 4(2), 213-215.
75. Kamble, S. P., & Vikhe, G. (2014). Isolation and characterization of plasmid DNA from clinically isolated *E. coli* strain at Pravara Rural Hospital, Loni, India. *International Journal of Current Sciences*, 7, 61-66.
76. Gadhave, A. G., Gaikar, R. B., Kuchekar, S. R., & Karale, B. K. (2014). Synthesis and antimicrobial activity of some novel [4-(1,2,3-thiadiazol-4-yl)phenoxy] methylene anchored 1,3,4-triazoles and 1,3,4-thiadiazoles. *Journal of Heterocyclic Chemistry*, 51(6), 1849-1855.
77. Kamble, S. P., & Vikhe, G. (2014). *In vitro* effect of *G. glabra* and *T. cordifolia* plant extracts on phagocytosis by human neutrophils. *Pravara Medical Review*, 5(2), 12-15.

78. Balasubramanian A., Das S., Bora A., Sarangi S. & Mandal A. (2012). Comparative analysis of structure and sequences of *Oryza sativa* superoxide dismutase. *American Journal of Plant Sciences*, 3(1), 1311-1321.
79. Sonali Das, & Mandal A. (2013). RAPD analysis of *Semecarpus kurzii* Engler: An important medicinal plant of Andaman and Nicobar Islands. *International Journal of Medicinal and Aromatic Plants*, 3, 225-261.
80. Das S., Mukherjee H., Ahmed S. M., Halder P. K., Mandal A. B., Mahapatra A. & Chattopadhyay D. (2013). Evaluation of an ethnomedicinal combination containing *Semecarpus kurzii* and *Hernandia peltata* used for the management of inflammation. *Pharmaceutical Biology*, 51(6), 677-685.
81. Suresh P. Kamble, Rajendra B. Gaikar, Rimal B. Padalia, & Keshav D. Shinde (2013). Extraction and purification of C-phycocyanin from dry *Spirulina* powder and evaluating its antioxidant, anticoagulation, and prevention of DNA damage activity. *Journal of Applied Pharmaceutical Science*, 3, 149-153.
82. Masurkar S. & Chaudhari P. (2013). Biofilm quenching activity of silver nanoparticles synthesized using *Bacillus subtilis*. *International Journal of Pharma and Bio Sciences*. 3(4):48 - 54
83. Pratik R. Chaudhari, Shalaka A. Masurkar, Vrishali B. Shidore & Suresh P. Kamble (2012). Effect of biosynthesized silver nanoparticles on *Staphylococcus aureus* biofilm quenching and prevention of biofilm formation. *Nano-Micro Letters*, 4(1), 34-39.
84. Kala, R., Chauhan, H., Rajput, A., & Kutty, R. (2012). Biofilm characterization and quorum quenching in pathogenic strains *Staphylococcus aureus* and *Pseudomonas aeruginosa*. *International Journal of Advanced Biotechnology and Research*, 3(1), 515-522.
85. Gaikar, R. B., Gorakshnath, A., & Karale, B. K. (2012). Conventional and non-conventional synthesis of biologically active novel pyrimidine and its molecular descriptor study. *Indian Journal of Heterocyclic Chemistry*, 22(1), 53-60.
86. Kamble, S.P., & Borate, J.C. (2012). Effect of nitrogen sources on the production of invertase by yeast *Saccharomyces cerevisiae* 3090. *International Journal of Applied Biology and Pharmaceutical Technology*, 3(2), 297-300.
87. Kamble, S. P., & Gavhane, A. (2012). Synthesis of silver nanoparticles using extract of neem leaf and triphala and evaluation of their antimicrobial activities. *International Journal of Pharmaceutical and Biological Sciences*, 3(3), 88-100.

88. Chaudhari, P.R., Masurkar, S.A., Shidore, V.B., & Kamble, S.P. (2012). Biosynthesis of silver nanoparticles using *Saccharum officinarum* and its antimicrobial activity. *Micro & Nano Letters*, 7, 646-650.
89. Pratik R. Chaudhari, Shalaka A. Masurkar, Vrishali B. Shidore, Suresh P. Kamble (2012). Effect of biologically synthesized silver nanoparticles on *Staphylococcus aureus* biofilm quenching and prevention of biofilm formation. *IET Nanobiotechnology*, 4(1), 34-39.
90. Meshram, R. J., & Jangale, S. N. (2012). Comparative metabolomic investigation of *Leishmania major* and *Homo sapiens*: An in-silico technique to discover and develop novel drug targets. *Pharmacophore*, 2(2), 135-144.
91. Pratik R. Chaudhari, Shalaka A. Masurkar, Vrishali B. Shidore, Suresh P. Kamble (2012). Antimicrobial activity of extracellularly synthesized silver nanoparticles using *Lactobacillus* species obtained from Vizylac capsule. *Journal of Applied Pharmaceutical Science*, 2(3), 25-29.
92. Meshram, R. J., Bhiogade, N. H., Gacche, R.N., Jangle S.N. (2012). Virtual screening and docking exploration on estrogen receptor: An in silico approach to decipher novel anticancer agents. *Indian Journal of Biotechnology*, 11, 389-395.
93. Gaikar R.B., Vikhe P.P., Gadhave, A.G. Karale B. K. (2012). Computational evaluation of spiroisoxazolines as inhibitors of AChE. *International Research Journal of Pharmacy*, 3(7), 152-156.
94. Meshram, R. J., Gavhane, A. J., & Vikhe, P. P. (2012). Modeling and molecular dynamics studies on ESP1 and ESP6 epitopes of early secreted antigenic target protein ESAT6 from *Mycobacterium tuberculosis*. *Pharmacophore*, 3(4), 209-216.
95. Gupta, A. K. (2011). Enhanced protection of mice against Japanese encephalitis virus infection by combination of monoclonal antibodies to glycoprotein. *Acta Virologica*, 55, 165-168.
96. Lad, V. J., & Gupta, A. K. (2011). Effect of brefeldin A and monensin on Japanese encephalitis virus maturation and virus release from cells. *Microbiology Research*, 2(9), 33-36.
97. Gupta, A. K. (2011). Immuno-diagnosis of amoebiasis by antibody detection. *Indian Journal of Pediatrics*, 51, 725-728.
98. Gaikar, R. B., Meshram, R. J., Vikhe, P. P., & Vikhe, G. P. (2011). Molecular properties and docking studies on chromone pyrazolones as potential inhibitors of p38 MAP kinase. *International Journal for Pharmacy and Pharmaceutical Sciences*, 3(5), 321-324.

99. Yadav, M., Nayarisser, A., Joshi, S., Gupta, A., Holkar, P., Rajput, A., & Jain, R. (2011). A linear QSAR and docking approach to model inhibitory activity of 2-arylbenzoxazole derivatives as cholesteryl ester transfer protein (CETP) inhibitors. *International Journal of Drug Discovery*, 3(1), 63-73.
100. Suresh P. Kamble and Keshav D. Shinde (2011). Temperature optimization and kinetic analysis for invertase production by *Saccharomyces cerevisiae*. *International Journal of Biotechnology and Biochemistry*, 7(3), 361-366.
101. Shalaka A. Masurkar, Pratik R. Chaudhari, Vrishali B. Shidore & Suresh P. Kamble (2011). Rapid biosynthesis of silver nanoparticles using *Cymbopogon citratus* (lemongrass) and its antimicrobial activity. *Nano-Micro Letters*, 3(3), 189-194.
102. Meshram, R. J., & Jangle, S. N. (2010). Molecular docking and binding energy studies on neuraminidase of H1N1 reveal possible answer to its resistance for oseltamivir. *International Journal of Drug Discovery*, 1(2), 34-39.
103. Meshram, R. J., Gavhane, A. J., Gaikar, R. B., Bansode, T. S., Maskar, A. U., Gupta, A. K., Sohni, S. K., Patidar, M. A., Pandey, T. R., & Jangle, S. N. (2010). Sequence analysis and homology modeling of laccase from *Pycnoporus cinnabarinus*. *Bioinformation*, 5(4), 150-154.
104. Gaikar, R. B., & Karale, B. K. (2010). Synthesis of fluorinated chromones. *Indian Journal of Heterocyclic Chemistry*, 20(4), 385-388.
105. Gaikar, R. B., Gadhave, A. G., & Karale, B. K. (2010). Synthesis of some biologically active pyrazolones. *Indian Journal of Heterocyclic Chemistry*, 19(4), 325-328.
106. Kamble, S. P., Barote, J. C., & Kurhe, A. (2010). Effect of food processing on the antioxidant levels in carrot (*Daucus carota*) and garlic (*Allium sativum*). *Biochemical and Cellular Archives*, 10(2), 337-341.
107. Gaikar, R. B., Uphade, B. K., Gadhave, A. G., & Kuchekar, S. R. (2010). Effect of dairy effluent on seed germination and early seedling growth of soybeans. *International Journal of Drug Discovery*, 3(1), 137-139.