



**Name** : Dr. Shailendra Shivaji Gurav  
**Designation** : Professor  
**Qualification** : M. Pharm., Ph.D.  
**Specialization** : Pharmacognosy & Phytochemistry  
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**Experience** : 21 years

- Presently working as Professor at Dept. of Pharmacognosy & Phytochemistry, Goa College of Pharmacy, 18-June Road, Panaji, Goa- 403 001
- IndiaGoogle Scholar: <https://scholar.google.co.in/citations?user=vaLIg7AAAAAJ&hl=en>
- ORCID ID: 0000-0001-5564-2121
- Scopus ID: 20734208200
- Researcher ID: AAO-4240-2020

#### **Educational Attainments :**

- Doctorate in Faculty of Medicine (2008), RTM Nagpur University, Maharashtra
- M.Pharm. in Pharmacognosy (2004), RTM Nagpur University, Maharashtra – 2nd Merit
- GATE (Pharmaceutical Sciences) qualified with 94.03 percentile (2002)
- B.Pharm. (2001), Shivaji University, Kolhapur – First Class

#### **Research Areas :**

- Natural Products Research
- Nanomedicine
- Pharmaceutical Biology
- Ayurveda Biology
- Alternative and Complementary Medicine
- Computational Biology
- Herbal Novel Drug Delivery System
- Pharmaceutical Biotechnology

### Research Contributions :

- Publications: 117 (Last 5 Years); Cumulative Impact Factor: 342.7
- Patents: 20 (05 International, 15 National) – 08 Granted
- Books: 07
- Book Chapters: 30

### Academic Activities :

- M.Pharm. Students Guided: 32
- Ph.D. Students Guided: 06 (01 Awarded, 05 Pursuing)
- Guest Lectures Delivered: 62

### Projects / Technology Transfers:

- Technology Transfers Given: 06

### BOOKS:

Books- 07

1. Natural Products-based Therapeutics against Emerging Infectious Diseases In Press (Wiley)
2. Natural Products in Drug Discovery and Human Health (2025)  
ISBN: 978-10-4111-0941, In Press (Taylor and Francis)
3. Antidiabetic Drug Discovery from Natural Products (2025)  
ISBN: 978-04-4330-0868 (Elsevier)
4. Pharmacognosy and Phytochemistry: Principles, Techniques and Clinical Applications (2025) ISBN: 9781394203659 (Wiley)
5. Indian Herbal Drug Microscopy (2014)  
ISBN: 978-1-4614-9514-7 (Springer)
6. Indian System of Medicine (2023)  
ISBN: 978-93-5451-000-0 (Nirali Publications)
7. Laboratory Manual of Pharmacognosy (2023)  
ISBN: 978-93-95951-04-3 (Nirali Publications)

### RESEARCH PUBLICATIONS :

Research Papers (Last 05 Years: 117; Cumulative IF 342.7):

#### **Recent Research Papers in 2025**

1. K Karunanithi, N Prakash, S Amalraj, S Prabhu, M Ayyanar, S Priya, K Dass, **S Gurav**, N. Alharbi. Facile One-Pot Synthesis of Novel Indole-Pyrimidine Fusion Compounds as Dual agent for Anticancer and Antibacterial treatment: Insights from Multifaceted Drug Discovery Approaches. *Journal of Molecular Structure* **2025**: 142888. <https://doi.org/10.1016/j.molstruc.2025.142888> (Elsevier IF. 4.0)
2. S Priya, S Amalraj, V Padmanabhan, M Rahman, N Chaitanya, N Hashim, S Prabhu, M Ayyanar, **S Gurav**, A Caesar, R Thiruvengadam. Evaluating the Antiviral Potential of Kabasura Kudineer Against Monkeypox Virus: Targeting E5, Poxin, and DNA Polymerase Through Multifaceted Drug Discovery Approaches. *Life* **2025**, *15*(5):771 <https://doi.org/10.3390/life15050771> (MDPI IF-3.2)

3. P Salve, S Khurpe, P Shirke, N Gawas, **S Gurav**. QbD-Employed Formulation and Characterization of Sacubitril-Loaded Solid Lipid Nanoparticles: A Step Forward in Nanotechnology-Based Delivery for Hypertension. *Drug Development and Industrial Pharmacy* **2025**. <https://doi.org/10.1080/03639045.2025.2495848> (Taylor and Francis IF- 2.4)
4. R More, S Pancholi, G Patil, A Talokar, Y Suryawanshi, D Nasare, S Zambad, D Patil, **S Gurav**, S Bagade. Recent Development in 3D Printing Assisted Surgical Dentistry. *Materials Science and Engineering: B* **2025** 319,118299. <https://doi.org/10.1016/j.mseb.2025.118299> (Elsevier IF. 3.9).
5. S Prabhu, M Ayyanar, R Khan, **S. Gurav**, S Kadaikkunnan, M Thiruvengadam, R Thiruvengadam. Drug Repurposing Approaches for Lassa Virus from Secondary Metabolites of Medicinal Fungi: An Insight from Multifaceted Drug Designing Approaches. *Journal of Computational Biophysics and Chemistry* **2025** <https://doi.org/10.1142/S2737416525500504> (World Scientific IF- 2.0).
6. Ritesh Bhole, Sonali Labhade, **Shailendra Gurav**. Conquering PROTAC Molecular Design and Drugability. *Bioanalysis* **2025**, 1-16. <https://doi.org/10.1080/17576180.2025.2481021> (Taylor and Francis IF- 1.9)
7. Ritesh Bhole, **Shailendra Gurav**. Exploring SGL2 inhibitors' activity in Breast Cancer: An Overview. *Current Topics in Medicinal Chemistry* **2025**, [10.2174/0115680266371287250402051235](https://doi.org/10.2174/0115680266371287250402051235) (Bentham IF- 2.9)
8. K Chitalkar, D Hase, **S Gurav**, S Musmade, R Gaikar, M Sillanpää, V Murade, H Aher. Sol-gel synthesis of ternary ZnO-Cu<sub>2</sub>O@AC nanocomposite: Characterization and photocatalytic application for environmental remediation. *Journal of Inorganic and Organometallic Polymers and Materials* **2025**, <https://doi.org/10.1007/s10904-025-03705-8> (Springer IF-3.9)
9. C Jenipher, V Santhi, P Babu, A Salamatullah, **S Gurav**, M Arul Raj, M Ayyanar. Variation in phytochemical content, functional properties, antioxidant and hypoglycemic properties of *Mirabilis jalapa* L. processed tubers: Bioaccessibility evaluation by in vitro simulated digestion. *Food Bioscience* **2025**;65:106103. <https://doi.org/10.1016/j.fbio.2025.106103> (Elsevier IF-4.8)
10. P Kumbhar, J Dsouza, V Patravale, V Kamble, K Kolekar, M Singh, **S Gurav**. Unravelling the role of repurposed drugs in the treatment of acne: Success so far and the road ahead. *Drug Development Research* **2025**;86:e70057. <https://doi.org/10.1002/ddr.70057> (Wiley IF-3.5)
11. V Metkari, R Shah, N Salunkhe, **S Gurav**. Fabrication, Characterization, and Pharmacokinetics of Phospholipid-Based Naturesomal Nanocarriers for Enhanced Solubility and Bioavailability of Naringin. *AAPS PharmSciTech* **2025**;26(54):1-13. <https://doi.org/10.1208/s12249-025-03047-1> (Springer IF 3.4)
12. M Kalaskar, S Prabhu, M Ayyanar, V Redasani, S Surana, **S Gurav**. Investigating the Protective Effects of Luteolin and Gallic Acid from *Luffa acutangula* L. (Roxb.) Amara Fruit Pericarp Against Alcohol-Induced Liver Toxicity: Extraction, **2025**;342:119377 <https://doi.org/10.1016/j.jep.2025.119377> (Elsevier IF-4.8)
13. S Kumar, Y Nikam, S Ghose, S Kushari, S Prasad, **S. Gurav**, D Laloo. *Potentilla fulgens* root extract rich in polyphenols ameliorates diabetic foot ulcers in Wistar rats via regulating oxidative stress and connective tissue markers. *Journal of Ayurveda and Integrative Medicine* **2025**, 16 (1) 101075. <https://doi.org/10.1016/j.jaim.2024.101075> (Elsevier IF-1.7)
14. Ritesh Bhole, Payal Kute, **Shailendra Gurav**. PROTACs in the treatment of viral diseases. *Future Medicinal Chemistry* **2025**, 17:3; 1-3. <https://doi.org/10.1080/17568919.2025.2453418> (Taylor and Francis IF-3.2)

15. SD Bhinge, S Jadhav, P Lade, M Bhutkar, A Patil, K N Jadhav, N Upmanyu, **S Gurav**. Biogenic nano-transferosomal vesicular system of *Clerodendrum serratum* L. for skin cancer therapy: Formulation, characterization and efficacy evaluation. *Future Journal of Pharmaceutical Sciences* **2025**, 11 (5): 1-17. <https://doi.org/10.1186/s43094-024-00755-6> (Springer IF-3.4)
16. R Kavitha, S Prabhu, N Prakash, S Amalraj, M Ayyanar, S Caesar, S Priya, M Kalaskar, **S Gurav**. Design and Synthesis of a Novel Pyrazole-Based Molecule with Potential Anticancer and Antimicrobial Effects: A Multifaceted in silico Approach. *Journal of Molecular Structure* **2025**, 1323, 140536. <https://doi.org/10.1016/j.molstruc.2024.140536> (Elsevier IF 4.0)
17. C. Jenipher, S. Amalraj, M. Kalaskar, P. Babu, V. Santhi, M. Ahmed, **S. Gurav**, P. Suganya, M Ayyanar. Phytochemical composition, simulated digestion and cytotoxicity of *Ficus auriculata* Lour. fruits: *In-vitro* and *in-silico* insights. *Food Chemistry* **2025**, 463(1): 141031. <https://doi.org/10.1016/j.foodchem.2024.141031> (Elsevier IF- 8.5)

#### Fellowships & Awards :

- Recipient of ‘International Travel Fellowship’ from the Indian Council of Medical Research, Phytochemical Society of Europe and Asia, Centre for International Co-operation in Sciences (June 2015)
- Awarded with ‘**Senior Research Fellowship**’ by the **Indian Council of Medical Research** (ICMR) for Ph.D. dissertation (**April 2007**)

#### Awards & Achievements:

- World’s Top 2% Scientist – Stanford University (2024)
- International Research Fellow – INTI University, Malaysia (2023)
- Dr. P.D. Patil National Award – Best Thesis in Natural Products (2023)
- Best Professor in Pharmacognosy – Dewang Mehta Award (2019)
- International Travel Fellowship – ICMR, Phytochemical Society (2015)
- Research Model Winner – Avishkar Research Festival (2010–2011)
- Senior Research Fellowship – ICMR (2007)

#### Professional Attainments :

- Chairperson, Board of Studies, Pharmacy, Goa University
- Member, Board of Studies, Pharmacognosy, SPPU Pune
- Member, Research Advisory Committee, DMIHER
- Advisor, American Herbal Pharmacopeia
- Associate Editor – Journal of Ayurveda and Integrative Medicine (Elsevier)
- Editor – Scientific Reports (Nature), Frontiers in Pharmacology, Natural Products Communications (SAGE)
- Vice President – APTI (Goa State Branch)
- Joint Secretary – APSE (Goa State)

**Professional Memberships :**

- World Ayurveda Foundation
- Society of Ethnopharmacology
- APTI
- Medicinal and Aromatic Plants Association of India
- Controlled Release Society (India)
- British Society for Nanomedicine
- Indian Society of Pharmacognosy

