

Curriculum Vitae



Name : Dr. Pradeep Kumar Samal

Designation : Associate Professor

Address for Correspondence : Department of Pharmacy
Guru Ghasidas Vishwavidyalaya
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E-mail : samalpharmacology@rediffmail.com

Gender : Male

Date of Birth : 10 July 1974

Nationality : Indian

Category : Open (General)

Mother Tongue : Odiya

Marital status : Married

Period of teaching experience

- | | |
|-----------------------------------|----------|
| a) P.G. Classes (in years) | 17 years |
| b) U.G. Classes (in years) | 23 years |
| c) Research Experience (in years) | 17 years |

Areas of Specialization : Pharmacy (Pharmacology)

Research Interest : Hepatoprotective, Neuroprotective, Nephroprotective, Anti
Hyperlipidemic activity screening, Inflammatory

Academic Qualifications

| Examination | Name of the Board /University | Year of passing | Division/Class/Grade/ |
|-------------|---|-----------------|-----------------------|
| B. Pharm | Utkal University, Bhubaneswer, Odisha | 1995 | First |
| M. Pharm | Utkal University, Bhubaneswer, Odisha. | 2001 | First |
| Ph. D | Guru Ghasidas Vishwavidyalaya, Bilaspur, C.G. | 2012 | Awarded |

Total no. of M. Pharm. Students guided: 53

Published Work (Ref Annex 1)

⊕ Research Papers i) International = 45 ii) National = 11

⊞ Book published: 12

Book Chapter: 14

⌘ Conference/Seminar Presentation: 50

⌘ Invited lecture/Session chaired: 06

Patent : 03

Project: UGC MRP 01

Research Paper Published

1. J.S. Dangi, **P.K. Samal*** Isolation, preliminary characterization and hepatoprotective activity of polysaccharides from *Tamarindus indica* L. *Carbohydrate Polymers* 102 (2014) 1–7doi.org/10.1016/j.carbpol.2013.10.059, (**Impact factor 12.5**)
2. Aarti Tiwari, Amit Shukla, **Pradeep Kumar Samal***, Evaluation of Anti-Hyperlipidemic and Anti-Atherogenic Activity of Asiatic Acid and Its Effect on Lipid Peroxidation in Hyperlipidemic Rats, *Journal of Biochemical and Molecular Toxicology*, 2025; 39: e70255 <https://doi.org/10.1002/jbt.70255> (**Impact factor 3.5**)
3. Parag Jain, Sanjana Sahu, Rohitas Deshmukh, **Pradeep Samal**, Trilochan Satapathy, Ajazuddin, Psoriatic arthritis in transition: cytokine signaling, immune dysregulation, and therapeutic innovation, *inflammopharmacology experimental therapeutical studies journal*, doi.org/10.1007/s10787-025-01865-0 (**Impact factor 5.3**)
4. Prashant Tiwari, Pradeep Samal, Tapas Mohapatra, Breaking Barriers: Advanced Pharmacological Mediators for Neuropsychiatric Disorders *CNS & Neurological Disorders - Drug Targets*, (**Impact factor 3**) (**Accepted**)
5. Parag Jain, Akanksha Jain, Rohitas Deshmukh, **Pradeep Samal**, Trilochan Satapathy, Ajazuddin, Metabolic dysfunction-associated steatotic liver disease (MASLD): Exploring systemic impacts and innovative therapies, *Detection of liver fibrosis Clinics and Research in Hepatology and Gastroenterology* 49 (2025) 102584, doi.org/10.1016/j.clinre.2025.102584, (**Impact factor 2.6**)
6. Abhishek Tripathi, Bharti Vaishnaw, Peeyush Jaishwal, Pradeep Samal, Amit Verma, Neelesh Singh, A Critical Review on Glycosaminoglycan Derived Polymers as a Novel Drug Delivery System in Tissue Engineering: Recent Advancement and Clinical Application, *Current Drug Therapy*, 2025, Vol. 20, No. 6 (**Bentham Science**)
DOI: 10.2174/0115748855299172240624070122, (**Impact factor 0.7**)
7. Abhishek Tripathi, Bharti Vaishnaw, Peeyush Jaishwal, Pradeep Samal*, Amit Verma, Neelesh Singh, Advancements in Nanostructured Smart Drug Delivery Systems in Cancer Treatment: Targeted Modification Strategies and Clinical Implications, *Current Materials Science*, (**Bentham Science**), (**Accepted**) (**Impact factor 0.94**)
8. Nishu Adity, Antihyperlipidemic Activity of Cinnamaldehyde in High-Fat Diet-induced Hyperlipidemic Rat Model, *Letters in Functional Foods LFF*). (**Bentham Science**), (**Accepted**)
9. Sonam Mouray, Aarti Tiwari, Gulshan Athbhaiya, Choudhary R, **Pradeep Kumar Samal***, Ameliorative effects of theophylline in combination with curcumin on cyclophosphamide-

induced oxidative stress and genotoxicity in rats, *Advances in Pharmacology and Pharmacy*, (Accepted). (**ESCI, Web of Science listed**)

10. Soni D, Choudhary R, **Samal PK***(2022) Potential Antihyperlipidemic Effect of Edaravone against Triton X-100 and High Fat Diet (HFD) Induced Experimental Model of Hyperlipidemia in Rats. *J Heart Health* 8(1): dx.doi.org/10.16966/2379-769X.165, (**Impact factor 0.27**)
11. Dipendra Nirmalkar, Aarti Tiwari, Gulshan Athbhaiya, **Pradeep Kumar Samal***, Hepatoprotective Activity of Lathyrus sativus Leaf Extract in Paracetamol Induced Hepatotoxic Rats, *Research J. Pharmacy and Technology*. 2025;18(2):625-631. DOI: 10.52711/0974-360X.2025.00093, (**Scopus listed**)
12. Pameshwar Kumar, Aarti Tiwari, Gulshan Athbhaiya, **Pradeep Kumar Samal***, "Hypolipidemic Action of Leaf Extracts of Raphanus sativus var. Longipinnatus in High Fat Diet Induced Rats," *Advances in Pharmacology and Pharmacy*, Vol. 13, No. 3, pp. 377 - 389, 2025. DOI: 10.13189/app.2025.130309. (**ESCI, Web of Science listed**)
13. Poonam Sahu, Aarti Tiwari, Gulshan Athbhaiya, Somnath Mandol, **Pradeep Kumar Samal***, Pharmacological Screening of Hepatoprotective Activity of Vanillylacetone In Paracetamol Induced Hepatotoxic Rats, *Research J. Pharm. and Tech* 2024; 17(10):5085-5090. DOI: 10.52711/0974-360X.2024.00782, (**Scopus listed**)
14. Aarti Tiwari, Kiran Patel, **Pradeep Kumar Samal***, "Oral Bioefficacy Enhancement of Capsaicin for the Effective Treatment of Rheumatoid Arthritis," *Advances in Pharmacology and Pharmacy*, Vol. 12, No. 4, pp. 298 - 312, 2024. DOI:10.13189/app.2024.120403. (**ESCI, Web of Science listed**)
15. Padhy J, Choudhary R, Shree J, Vaishnav B., **Samal PK***, Combined Antidepressant Effect of Acetyl-L-Carnitine and Bupropion against Experimental Animal Model. *Int. J. Pharm. Sci. Drug Res.* 2024;16(1):16-21. DOI: 10.25004/IJPSDR.2024.160103, (**UGC listed**)
16. Namrata Kurre, Bharti Ahirwar, Kedar Prasad Meena, Bharti Vaishnav, Aarti Tiwari, Kamdev Sen, Dipendra Nirmalkar, Pameshwar Sahu, Geetanjali Darsena, **Pradeep Kumar Samal*** Pharmacological screening of Anti-inflammatory and Analgesic activity of Apigenin in Mice Model *Research J. Pharm. and Tech* 2024; 17(4):1527-1530. DOI: 10.52711/0974-360X.2024.00241, (**Scopus listed**)
17. Samal PK*, Sharma M, Vaishnav B, Tiwari A, Sen K, Nirmalkar D and Kumar P: Phytochemical screening, antioxidant and *in-vitro* anticancer activities of *Tinospora cordifolia* leaves extracts. *Int J Pharm Sci & Res* 2024; 15(5): 1485-96. doi: 10.13040/IJPSR.0975-8232.15(5).1485-96. (**Embase, PubMed, Web of Science listed**)
18. Kedar Prasad Meena, Bishesar Kumar Sahu, Tripty Karri, Pradeep Samal, Sandeep Yadav, Divya Jaiswal, Development and Characterization Pioglitazone Hydrochloride Loaded

- Nanoparticle for Management of Diabetes Mellitus *Research J. Pharm. and Tech* 2024; 17(4):1748-1752. DOI: 10.52711/0974-360X.2024.00277, (**Scopus listed**)
19. Jagmohan Padhy, Rajesh Choudhary, Jaya Shree, Bharti Vaishnaw, **Pradeep Kumar Samal*** "Combined Antihyperlipidemic Effect of Acetyl-L-Carnitine and Bupropion Against High Fat Diet-induced Hyperlipidemia Model," *Advances in Pharmacology and Pharmacy*, Vol. 12, No. 4, pp. 359 - 366, 2024. DOI: 10.13189/app.2024.120408, (**ESCI, Web of Science listed**)
 20. **Samal PK***, Meena KP, Shree J, Rajesh Choudhary R. Hypolipidemic Activity of *Hiptage benghlensis* Leaf Extracts on High-fat Diet-induced Hyperlipidaemic Rats. *Int. J. Pharm. Sci. Drug Res.* 2023;15(3):350-355. DOI: 10.25004/IJPSDR.2023.150316, (**UGC listed**)
 21. Bharti Vaishnaw, Bharti Ahirwar, Kedar Prasad Meena, Aarti Tiwari, Kamdev Sen, Dipendra Nirmalkar, Pameshwar Sahu, Geetanjali Darsena, **Pradeep Kumar Samal*** Evaluation of the Hepatoprotective potential and Antioxidant activity of 4-Hydroxybenzyl alcohol on Carbon tetrachloride Induced liver damage in Experimental animals, *Research J. Pharm. and Tech* 2023; 16(12):6022-6027. DOI: 10.52711/0974-360X.2023.00977, (**Scopus listed**)
 22. Kedar Prasad Meena*, Purandhar Choudhary, Tripty Karri, Pradeep Samal, Preparation and Characterization of Rutin Loaded Microparticles for the treatment of Diabetes, *Research J. Pharm. and Tech* 2023; 16(10):4867-4874. DOI: 10.52711/0974-360X.2023.00789, (**Scopus listed**)
 23. Deepshikha Verma, **Pradeep Kumar Samal***, Evaluation of Synergistic Analgesic Activity of Berberine and Asiatic Acid in Mice, *Research J. Pharm. and Tech.* 2020; 13(12):6081-6085. DOI: 10.5958/0974-360X.2020.01060.4, (**Scopus listed**)
 24. **Samal, P. K. ***, Shani sharaf, Beck, N. R. and J.S. Dangi "Antiepileptic Effects of *Sapindus mukorosis* in rats" *Research Journal of Pharmacy and Technology (RJPT)* 5(11): Nov 2012; Page 1417-1420, (**Scopus listed**)
 25. Samal, P. K. and Beck, N. R. "Traditional Medicinal Plants used by the Tribes and Rural People of Bilaspur District, Chhattisgarh (India)" *Research Journal of Pharmacy and Technology (RJPT)* 5(10):Oct 2012; Page 1281-1282, (**Scopus listed**)
 26. Samal, P. K., Dangi, J. S., Meena, and K.P Monoj "Nanoparticles Technology and Recent advances in Novel Drug delivery Systems" *IJRDD* 1(1):2011 page 1-5. (**Scopus listed**)
 27. **Samal, P. K*.,** Dangi, J. S., Meena, K.P., Ekka, N. R., Maheshwari, A. and Patel, A. "Hepatoprotective Activity of *Butea monosperma* bark on Liver Damage Caused by Paracetamol in Rats" *Research Journal of Pharmacy and Technology: (RJPT)* 4(5): May 2011; Page 771-774. (**Scopus listed**)
 28. **Samal, P. K*.,** Dangi, J. S., Meena, K.P., Ekka, N. R., Patel, A. and Maheshwari, A. "Evaluation of Analgesic Activity of Leaves Extracts of *Feronia limonia* in Experimental

- Animal Models.” Research Journal of Pharmacy and Technology (RJPT) 4(5): May 2011; Page 710-714, (**Scopus listed**)
29. Samal, P. K., Dangi, J. S. and Meena, K.P. “Floating drug technology: Evaluation in animal models’ International Journal of Research in Pharmaceutical and Biomedical Sciences (IJRPBS) Vol. 2, Issue 2, 2011. (**Scopus listed**)
30. Samal, P. K., Dangi, J. S. and Meena, K.P. “Recent Advances in Microspheres Manufacturing Technology” International Journal of Pharmacy and Technology, IJPT | March-2011 | Vol. 3 | Issue No.1 | 854-893, (**Scopus listed**)
31. Samal, P. K., Dangi, J. S. and Meena, K.P. “Floating Microsphere Technology Mechanistic Insight and Recent Advances” *Der Pharmacia Lettre*, 2011, 3(2): 57-70., (**Scopus listed**)
32. **Pradeep Kumar Samal***, J.S. Dangi, and K.P. Meena “Ethnopharmacological Studies of Traditional Hepatoprotective Medicinal Plants Used by The Tribals of Bilaspur Districts” International Journal of Pharmacy and Technology *IJPT* | June-2011 | Vol. 3 | Issue No.2 | 1971-1987, (**Scopus listed**)
33. **Samal, P. K.**, “Assessment of Hypolipidemic Effect of *Ardisia solanacea* in high fat diet induced rats” Research J. Pharmacology and Pharmacodynamics; 5(3): 2013; 147-150
34. **Samal, P. K.**, “Antioxidant activity of *Strobilanthes asperimus* in albino rats” Asian J. Pharm. Res. 2013; Vol. 3: Issue 2, Pg 71-74
35. **Samal, P. K.**, “Hepatoprotective Activity of *Tamarindus indica* on Liver Damage Caused by Thioacetamide, Research J. Pharmacognosy and Phytochemistry 2013; 5(3): 123-126
36. **Samal, P. K.**, “Investigation of Antioxidant activity of *Butea monosperm* barks” Research J. Pharm. and Tech. 6(6): June 2013, Page 610-613, (**Scopus listed**)
37. **Samal, P. K.**, “Investigation of Antiepileptic Activity of *Hibiscus vitifolius* leaves” Asian J. Pharm. Tech. 2013; Vol. 3: Issue 2, Pg 63-66
38. **Samal, P. K.**, “Hepatoprotective activity of *Ardisia solanacea* in CCl₄ induced Hepatotoxic albino rats” Asian J. Res. Pharm. Sci. 2013; Vol. 3: Issue 2, Pg 79-82
39. **Samal, P. K.**, “Assessment of Hepatoprotective Activity of *Tamarindus indica* in Thioacetamide Induced Hepatotoxic Rats” Research J. Pharmacognosy and Phytochemistry 2013; 5(3): 139-142

Patents

| Sl. No. | Title | Patent Number | National/International | Year of Award |
|---------|---|---------------|------------------------|---------------|
| 1 | AI based animal tissue decellularization device | 417732-001 | National | 2024 |
| 2 | Diabetic Neuropathy detecting device | 425673-001 | National | 2024 |
| 3 | Smart transdermal patch for monitoring of type 2 diabetes | 6387569 | International | 2024 |

Book Chapters Published in Books

| S. No. | Title with page no. | Book editor & publisher | Publisher | ISSN/ ISBN No. | No. of Co-authors (Excluding you) | Whether you are the main author |
|--------|--|---|----------------------|-------------------|-----------------------------------|---------------------------------|
| 1 | Nutraceutical Approaches to Treat Alzheimer's Disease and Dementia | Lifestyle Diseases and Nutraceutical Interventions: Mechanisms and Clinical Uses | SAAR publication | 978-81-973556-0-8 | 1 | Yes |
| 2 | Pathophysiology, Treatment and Management of Obesity | Perspective of Recent advances in Medical Research Vol- I BP International | BP International | 978-81-960551-4-1 | 1 | Yes |
| 3 | Obesity: Potential Benefits and Mechanism of Nutraceutical Interventions for Obesity | Lifestyle Diseases and Nutraceutical Interventions: Mechanisms and Clinical Uses SAAR publication | SAAR publication | 978-81-973556-0-8 | 1 | Yes |
| 4 | Dopamine's Role in Cognitive Functions: Learning and Memory | Dopamine in Neurotoxicity and Neuroprotection : Recent Advancements and Future Prospective | Apple Academic Press | (Accepted) | 4 | Yes |
| 5 | LDL receptors and their impact in | Brain Tumor Drug Development: | Bentham Science | (Accepted) | 1 | Yes |

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|----|--|--|----------------------|-------------------|---|-----|
| | targeted therapies for brain tumors | Current Advances and Strategies | | | | |
| 6 | Targeted Oncometabolism: New Frontiers in Cancer Therapy | Targeting Glycolysis in Cancer Therapy | Bentham Science | (Accepted) | 4 | Yes |
| 7 | Exploring the role of Schizophrenia in causing prolonged hyperdopaminergic activity leading to neuronal damage and protection mechanisms associated with it, | Dopamine in Neurotoxicity and Neuroprotection : Recent Advancements and Future Perspectives” | Apple Academic Press | (Accepted) | 1 | Yes |
| 8 | Phytoestrogen in Gastrointestinal health: Potential Benefits for Ulcer prevention and protection. | Phytoestrogens and Wellness: A comprehensive Guide to Phytoestrogens-Based Bioactive compounds in Management of Health and Disease. SAAR publication | SAAR publication | 978-81-984840-0-0 | 4 | Yes |
| 9 | Phytoestrogens in Wound Healing: Potential Benefits and Applications | Phytoestrogens and Wellness: A comprehensive Guide to Phytoestrogens-Based Bioactive compounds in Management of Health and Disease. | SAAR publication | 978-81-984840-0-0 | 2 | Yes |
| 10 | Phytoestrogens and Their Role in Managing Inflammatory Diseases | Phytoestrogens and Wellness: A comprehensive Guide to Phytoestrogens-Based Bioactive compounds in Management of Health and Disease. | SAAR publication | 978-81-984840-0-0 | 4 | Yes |
| 11 | Exploring the potential role of phytoestrogens in managing respiratory infections | Phytoestrogens and Wellness: A comprehensive Guide to Phytoestrogens-Based Bioactive | SAAR publication | 978-81-984840-0-0 | 4 | Yes |

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|----|--|---|--------------------------------|-------------------|---|-----|
| | | compounds in Management of Health and Disease. | | | | |
| 12 | Phytoestrogens: A Natural Adjunct in Cancer Treatment | Phytoestrogens and Wellness: A comprehensive Guide to Phytoestrogens-Based Bioactive compounds in Management of Health and Disease. | SAAR publication | 978-81-984840-0-0 | 4 | Yes |
| 13 | Future Trends In Schizophrenia Management | AI-Driven Diagnostics and Targeted Drug Delivery: Innovation in Schizophrenia and Oral Therapeutics | Cambridge Scholars publication | (Accepted) | 3 | Yes |
| 14 | Innovative Nanotechnological Approaches to protect neurons from Degeneration | | Cambridge Scholars publication | (Accepted) | 3 | Yes |

Books

| S. No. | Title with page no. | Type of Book & Authorship | ISS/ ISBN No. | Publisher | Co-authors (Excluding you) |
|--------|--|---|-------------------|-------------------|----------------------------|
| 1 | A Text Book of Pharmacotherapeutics For D. Pharm II Year | Text book Sourabh Ghosh, Divya Tripathy, Raj Keshwar Prasad, Pradeep kumar samal, | 978-81-968500-2-9 | GDC Publisher | 3 |
| 2 | Pharmacology Book for D. Pharm II Year | Text Book Aarti Tiwari Pradeep Kr Samal | 9788197770999 | Pkart Publication | 1 |
| 3 | Aim Pharmacist Solved Papers | Competitive Exam Pradeep Kumar Samal and Bharti Vaishnaw | 978-81-973484-5-7 | GDC Publisher | 1 |
| 4 | Diploma in pharmacy exit exam (dpee) | Pharmacist Exit Exam Aarti Tiwari Pradeep Kr Sam | 9788197770913 | Pkart Publication | 1 |
| 5 | Railway Pharmacist Solved Papers | Railway Pharmacist competitive Exam Peeyush Jaiswal, Abhishek Tripathi, | 978-81-973484-0-2 | GDC Publisher | 3 |

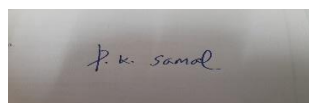
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|----|---|--|---------------------|----------------|---|
| | | Pradeep Kumar Samal and Bharti Vaishnaw | | | |
| 6 | D. Pharm exit exam | Exit Exam Peeyush Jaiswal, Abhishek Tripathi, Pradeep Kumar Samal and Bharti Vaishnaw | 978-81-973484-6-4 | GDC Publisher | 3 |
| 7 | Drug Inspector | DI Exam Peeyush Jaiswal, Abhishek Tripathi, Pradeep Kumar Samal and Bharti Vaishnaw | 978-81-973484-8-8 | GDC Publisher | 3 |
| 8 | A Clinical study for assessment of Antidepressant induced sexual dysfunction | Reference Book Pradeep Kumar Samal, Arin Bhattacharya and B. Gujar | 978-1-304-60652-5 | Lulu Publisher | 2 |
| 9 | Antidiabetic and Antioxidant activity of <i>Strobilanthes asperimus</i> in rats | Reference Book Pradeep Kumar Samal, Arin Bhattacharya and B. Gujar | 978-1-304-60652-5 | Lulu Publisher | 2 |
| 10 | A Text Book of Pharmacotherapeutics in Bilingual For D. Pharm II Year | Pradeep Kumar Samal, H. Joshi, P. Golani, A. Kapse | 978-81-985418-8-8-8 | GDC Publisher | 3 |
| 11 | TN Pharmacist Examination objective Book | Peeyush Jaiswal, Abhishek Tripathi, Pradeep Kumar Samal and Bharti Vaishnaw | 978-81-985418-1-9 | GDC Publisher | 3 |
| 12 | TN Pharmacist Examination Theory Book | Peeyush Jaiswal, Abhishek Tripathi, Pradeep Kumar Samal and Bharti Vaishnaw | 978-93-49537-51-4 | GDC Publisher | 3 |

Completed Project

| S.No. | Title | Agency | Period | Grant/ Amount Mobilized (Rs. lakh) |
|-------|---|----------------------------|--|---|
| 1. | Pytochemical and Pharmacological evaluation of some potential antigenotoxic Plants. As PI | UGC-Major Research Project | Ongoing since July 20, 2012 for 3 years extended up to December 2015 | 3.2 Lakhs |

III (B) (ii) Full Papers in Conference Proceedings

| S. No. | Title with page no. | Details of Conference Publications | Year | ISS/ ISBN No. | Whether Peer reviewed | Impact factor, if any | No. of Co-authors (Excluding you) | Whether you are the main author |
|--------|--|---|-----------|---------------|-----------------------|-----------------------|-----------------------------------|---------------------------------|
| 1 | Antimutagenic and Antioxidation Activity of <i>Tinospora cardifolia</i> in Rat. S138-S139 | Indian journal of pharmacology Vol - 45 | 2013/12/1 | 1998 - 3751 | Yes | 1.4 | 2 | Yes |
| 2 | Hypolipidemic Effects of <i>Ardisia Solanacea</i> in High Fat Diet Induced Hyperlipidemic Rats | Indian journal of pharmacology Vol - 45 | 2013/12/1 | 1998 - 3751 | Yes | 1.4 | 2 | Yes |
| 3 | <u>Investigation of Antioxidant Activity of <i>Gloriosa Superba</i> Leaves in Carbon Tetrachloride Induced Hepatotoxic Model</u> | Indian journal of pharmacology Vol - 45 | 2013/12/1 | 1998 - 3751 | Yes | 1.4 | 1 | Yes |



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