

## **Total Research & Review Publications: 31**

---

### **Prof. Dr. S H Shahare**

1. Gedam S. S. \* and Basarkar G. D. Development, Optimization and *in-vitro* Characterization of Gliclazide Nanosponge Tablets for Oral Administration, IJPSR, Volume 12(4), 2021, 2158-74. (E-ISSN: 0975-8232; P-ISSN: 2320-5148, DOI: 10.13040/IJPSR.0975-8232.12(4)).
2. Shweta S. Gedam,\* Ganesh D. Basarkar. Formulation, Design and In-Vitro Characterization of Clopidogrel Bisulphate Nanosponge Tablets for Oral Administration. Research Journal of Pharmacy and Technology. 2021; 14(4):2069-5. (E-ISSN: 0974-360X, PRINT: 0974-3618, DOI: 10.52711/0974-360X.2021.00367).
3. Gedam S. S. \*, Basarkar G. D. Nanosponges: An Attractive Strategy for Enhanced Therapeutic Profile. J. Pharm. Sci. & Res., Volume 11, Issue 6, 2019, 2479-87. (E-ISSN: 0975-1459).
4. Ravindra Chandrakant Sutar, Kiran D Patil, Pankaj Mohan Pimpalshende, K. Ramadevi, G. Sandya Rani, Lokesh Kaushik, Landge Dhananjay Ashok, Shweta H Shahare. Formulation, Development and Preformulation Studies of Eukalyptol & Thymol Containing organogels for Topical Delivery System. Tuijin Jishu/Journal of Propulsion Technology. 2023; 44(03): 3281-3295.
5. Shweta Shahare\*, Abhishek R. Ghumare, Vaishali S. Borade ,Dr. Swati G. Talele, ,Ashish Pawar, Chetna Shinde, Sakshi Chaudhari, Dr Laxmikant. B. Borse. Formulation And Evaluation Of Nutraceutical Tablet Of Polyherbal Drugs By Wet Granulation. Journal of Pharmaceutical Negative Results. 2023; 14(02): 359-368. DOI:10.47750/pnr.2023.14.02.47.
6. Shweta H. Shahare, Dipti G. Phadtare, Hitesh V. Shahare, Yunus N. Ansari, Bhavesh B. Amrute, Sagar S. Vidhate and Sachin N. Kapse. Analytical Method Development and Validation of Gliclazide using RP-HPLC from Pharmaceutical Dosage Form. Biological Forum – An International Journal, 2023; 15(5): 786-792.
7. Pratik R. Aher\*, Rushikesh V. Aher, Shweta S. Gedam. Repurposing of Drugs: Updates and New Perspectives, Research J. Pharm. and Tech., Volume 15(9):2022, ISSN: 0974-3618. (DOI: 10.52711/0974-360X.2022.00723).
8. Pooja Udhav Pardeshi, Abhijeet Dattatraya Kulkarni, Shweta S. Gedam. Phytochemical-based vesicular system for the treatment of vitiligo: A review, Trends Phytochem. Res. 6(3), 2022 224-241. doi: 10.30495/tpr.2022.1955013.1249
9. Nikita Balasaheb Dhattrak\*, Shweta Gedam, Anil Jadhav. Development and Validation of Stability Indicating RP-HPLC Method for Amisulpride Injection. High Technology Letters. 28(6), 2022. 315-371. (ISSN: 1006-6748).
10. Ninad A. Mahakulkar, Swati G. Talele, Shweta S. Gedam, Anil Jadhav, Kiran D. Belsare. A Review on Mushroom in Treatment of Cancer. . International Journal of Pharmacy and Pharmaceutical Research. Human, Vol. 18 (4), 2020, 659-671. (E-ISSN:2349-7203).
11. Samadhan Mali, Shweta Gedam, Swati Talele, Anil Jadhav. Design and Development of Effervescent Floating Tablet Dapagliflozin. International Journal of Trend in Scientific Research and Development (IJTSRD), July-August 2020; Volume 4 (5): 1675-1685. (E-ISSN: 2456-6470).

12. Sagar K Khute\*, Shweta S. Gedam, Swati G. Talele, Anil G. Jadhav, Nanoemulsion a Novel Approach for Enhanced Therapeutic Profile. *International Journal of Pharmacy and Pharmaceutical Research*. Human, 2020; Vol. 18 (4): 133-146. (E-ISSN:2349-7203).
13. Harjot S. Kathuria\*, Haridas A. Sangale, Swati G. Talele, Shweta S. Gedam, Anil Jadhav. *Artificial Intelligence in Healthcare*. IJPPR. Human, 2020; Vol. 18 (2): 745-762. (E-ISSN:2349-7203).
14. Roshan G. Jadhav\*, Dattatraya M. Shinkar, Shweta S. Gedam and Anil G. Jadhav. Approaches of floating drug delivery system. *World Journal of Pharmacy and Pharmaceutical Sciences*. Oct. 2021. (ISSN: 2278-4357).
15. Shahare H. V.\*, S. S. Gedam, and et al. Non-Destructive Analytical Techniques for Detection of Counterfeit Pharmaceutical Preparations. *Curr. Pharm. Res.*, Volume 9, Issue 1, 2018, 2567-75. (ISSN-2230-7842).
16. Gedam S. S.\*, Jadhav Pritee, Talele Swati & Jadhav Anil. Effect of Crosslinking Agent on Development of Gastroretentive Mucoadhesive Microspheres of Risedronate Sodium. *Int. J. App. Pharm.*, Volume 10, Issue 4, 2018, 133-140. (ISSN-0975-7058 DOI: DOI: <http://dx.doi.org/10.22159/ijap.2018v10i4.26071>).
17. Gedam S. S.\*, Dr. Tapar K. K. Formulation and Evaluation of Mucoadhesive Microspheres for Nasal drug Delivery. *Am. J. PharmTech Res.*, Volume 5, Issue 5, 2015, 485-506. (ISSN:2249-3387).
18. Gedam S. S.\*, and et al. An Overview to Natural Colouring agents used in Pharmaceutical Formulations. *World J. of Pharm. Res.*, International Peer Reviewed Journal. Volume 3, Issue 2, 2014, 3904-16.
19. Bhoyar P. K.\*, Gedam S. S. Formulation and in-vitro Evaluation of Aceclofenac Matrix Tablet for Colon Specific Drug Delivery: By Using Dextrin. *Res. J. Pharm. & Tech.* 4(4): April 2011, 527-9. (E-ISSN: 0974-360X, PRINT: 0974-3618).
20. Gedam S. S.\* Tapar K. K. and Borse M. D. Taste Masking and Characterization of Diphenhydramine Hydrochloride by Spray Drying Technique. *Int. J. Pharm. Res. & Dev.* Feb 2010, 1-7. (ISSN-0974-9446).
21. Gedam S. S.\* and Shahare HV. A Review on Regenerative Medicine-A Future Medicine. *Int. J. Pharm& Biosciences*. Jan 2010, 1-9.
22. Dhabarde DM.\*, Shahare HV, Gedam S. S. Aging of Honey Enhances its Antibacterial Action. *Res. J. Ph. Tech.* Dec 2009, 876-7.
23. Shahare HV\*, Gedam S. S. Synthesis and Biological Evaluation of New 1-H-3 (4'-hydroxyphenyl)- 5-Aryl- 2-Pyrazoline Derivatives. *J. Ph. Res.* 8 (3): July 2009, 146-8.

## 2. Prof. A D Rasal

24. Enhanced Dissolution Rate of Glipizide by a Liquisolid Technique- *International Journal of Pharmaceutical Sciences and Nanotechnology*. Vol-3, Issue-4, January March 2011.
25. Microemulsion as a Nasal Drug Delivery An Overview- *International Journal of Pharmaceutical Sciences and Nanotechnology*. Vol 5. Issue 4, Jan-March 2013.

26. Development and characterization of Nasal Mucoadhesive Microemulsion of Sumatriptan Succinate –Indian Journal of Novel Drug Delivery. (IJNDD). 2(3), Jul-Sep2010, 103-108.
27. Practical book of Pharmaceutical Inorganic Chemistry was published in June 2023 .In co-ordination with Pee Vee Publication.

### **3. Prof. Dr. K J Jagtap**

28. Published review article on “A review on Microspheres” in the International Journal of Universal Pharmacy and Bio-sciences, 2015. Volume; issue; page number
29. Published review article on “A review on Gold nanoparticles” in the Asian Journal of Pharmaceutical research, 2016.
30. Published Research Article on “Development of validated stability-indicating chromatographic method for the determination of Metformin and Teneligliptin and its related impurities in pharmaceutical tablets” in International Journal of Pharmaceutical Quality Assurance, 2022.
31. Published Research Article on “Dissolution Method development and validation for simultaneous determination of Metformin and Teneligliptin in pharmaceutical tablets” in Research Journal of Pharmacy and Technology, 2022.

### **Patent Published:03**

#### **Institute Patent –**

1. Design Patent –

Title- An apparatus for the synthesis of nanoparticle based on the IOT.

INTELECTUAL PROPERTY OFFICE,UK.

#### **Prof. Dr. S. H. Shahare**

2. Title of the invention: herbal confectionery formulation with immune boosting properties and a process of preparation thereof. Application No.- 202221035360A
3. Title of the invention: Medicated chewing gum and method of preparation thereof. Application no.- 202321063890

### **Book Chapters: 06**

1. Carbon Nanotubes as an “Effective Opportunity for Diagnosis and Treatment of Cancer”, Published in *International Book Carbon Nanotubes for Biomedical Applications and Healthcare* by Apple Academic Press, USA 2023.

2. A Chapter entitled, “Flavonoids as Neuroprotective in Brain Disorder”, Published in *International Book Bioactive Nutraceuticals for Brain Disorders* by Nova Science Publications, USA, in May 2021.
  3. A chapter entitled, “Sustainable Chemistry and Pharmacy” Published in *International Book Green Chemistry and Green Engineering Processing Technologies Properties and Applications* Apple Academic Press, CRC Press, US in Dec 2020 (**Hard ISBN: 9781771889001, E-Book: ISBN: 9781003057895**)
  4. A chapter entitled, “An Overview of Polyelectrolyte-Based Nanoplex” Published in *International Book Green Chemistry and Green Engineering Processing Technologies Properties and Applications* Apple Academic Press, CRC Press, US in Dec 2020 (**Hard ISBN: 9781771889001, E-Book: ISBN: 9781003057895**)
  5. A Chapter entitled, “Nanoparticulate Drug Delivery System: An Emphasis on Herbal Medicines” Published in *Int. Book Enhancing the therapeutic efficacy of herbal formulations* by IGI Global, USA, March 2021. (DOI: 10.4018/978-1-7998-4453-2.ch007)
  6. A Chapter entitled, “Phytosomes as a Novel Approach for Herbal Phytoconstituents” Published in *International Book Enhancing the therapeutic efficacy of herbal formulations* by IJI Global, USA in March 2021. (10.4018/978-1-7998-4453-2.ch010)
- 

### **Book Published: 07**

1. A Textbook of Pharmaceutical Quality Assurance authored by Dr. Shweta H. Shahare & Dr. Dipti G. Phadtare published by *Prime Publishing House, Jalgaon, Maharashtra*. (2023, ISBN: 978-93-95596-30-5).
  2. A Textbook of Pharmaceutical Biotechnology authored by Dr. Shweta H. Shahare, Sunil K. Ojha, Apurva S. Belsarkar published by Technical Publication, Pune, Maharashtra. (September 2023, ISBN: 978-93-5585-429-2)
- 
3. Practical book of Pharmaceutical Inorganic Chemistry was published in June 2023 .In co-ordination with Pee Vee Publication.
  4. A Practical book on Industrial Pharmacy-I authored by Mrs. Shweta S. Gedam, Dr. G. D. Basarkar & Dr. Anil G. Jadhav, published by *Everest Publishing House, Pune*. (Jan 2020, ISBN:9788176603591)
  5. A text book of Pharmaceutics-I, authored by Mrs. Shweta S. Gedam, published by *Unnati Publication, Modinagar, UP*. (March 2021, ISBN: 978-93-84875-69-5).

6. A Textbook of Industrial Pharmacy-I authored by Mrs. Shweta S. Gedam, Mr. Jadhav Shivraj, P., Dr. G. D. Basarkar & Dr. Talele Swati G. published by *Unnati Publication*, Modinagar, UP. (August 2021, ISBN: 978-93-84875-67-1)
  7. A Practical book on Pharmaceutical Microbiology by Mr. Lokesh P. Kothari, Mrs. Shweta S. Gedam, Dr. Suneeti Gore, published by *Everest Publishing House*, Pune. (Jan 2020, ISBN:9788176603591).
-

### List of Research Publications and Patent

Sr. No.	Title	Author's Name	Publisher	Vol.	Pg. No.	Year
1.	A Combine Spectrophotometric and Chromatographic Method Development and Validation of Levetiracetam Bulk and Tablet Dosage Form.	A Pimpale, R Pagare, S Aher, D Phadtare	Asian Journal of Pharmaceutical Research and Development	9 (5)	40-49	2021
2.	Synthesis and pharmacological activity of new pyrrolidone derivatives	DG Phadtare, LA Kawale, VS Nade	Journal of Pharmaceutical Negative Results	-	10692-10717	2021
3	Analytical Method Development and Validation of Gliclazide using RP-HPLC from Pharmaceutical Dosage Form.	Shweta H. Shahare, Dipti G. Phadtare and <i>et al</i>	Biological Forum – An International Journal	15	786-792	2023
4	Stability Indicating HPLC Method for the Estimation of Deflazacort in Bulk and Pharmaceutical Dosage Forms	Hitesh V Shahare, Shweta H Shahare, Vijay S Borkar, Dipti G Phadtare,	Latin American Journal of Pharmacy: A Life Science Journal	42(3)	702-710	2023
5.	“Development of validated stability-indicating chromatographic method for the determination of Metformin and Teneligliptin and its related impurities in pharmaceutical tablets”	Sejalben Patel, Kanchan Jagtap, Ujashkumar Shah, Dharshak Patel	International Journal of Pharmaceutical Quality Assurance	13	128-136	2022
6.	“Dissolution Method development and	Sejalben Patel, Kanchan Jagtap, Ujashkumar Shah	Research Journal of Pharmacy and Technology	16(1)	133-139	2023

	validation for simultaneous determination of Metformin and Teneligliptin in pharmaceutical tablets”					
7.	Development of validated stability-indicating chromatographic method for the determination of Metformin Hcl and Canagliflozin and its related impurities in pharmaceutical tablets”	Sejalben Patel, Kanchan Jagtap, Ujashkumar Shah	International journal of biology, pharmacy and allied sciences	13(1)		2023
8	Practical book of Pharmaceutical Inorganic Chemistry	1.Prof. Ashwini D. Rasal 2.Prof. Rajashree R. Kulkarni 3. Prof. Kunal S. Surwade	Pee Vee Publication.	(1)	1-48	June 2023
9	Design Patent An apparatus for the synthesis of nanoparticle based on the IOT.	Dr, D.G.Phadatare Mr. K.S.Surwade Ms. A.D.Rasal Dr. S.H.Shahare Dr. K.J.Jagtap Ms. K.H.Shaikh Mr. S.S.Gore Ms. P.V.Vidhate	Intellectual Property Office, Uk.	Design number: 6327533	-	2023