



**School:** School of Studies of Natural Resources

**Department:** Pharmacy

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Personal Webpage/Link: -

1. **Name** : **Dr. Vinod D. Rangari**

2. **Qualification** : M. Pharm., Ph.D., D. Litt.

3. **Area of Interest/Specialization:** Pharmacognosy and Phytochemistry

4. **Experience** : Teaching- 33 Years  
Research- 38 Years

**5. Research Projects:**

a) Project's Name : Formulation and Immunomodulatory Activity Studies of Herbal Drug Formulation - Potential Anti-AIDS Agent.

Sponsoring Body : All India Council of Technical Education, New Delhi.

Amount Sanctioned : Rs. 6 Lacs /-

Project Period : 1999-2002 (Completed)

b) Project's Name : Phytochemical Investigation and Fracture healing activity studies of some medicinal plants of Chhattisgarh state for the treatment of bone fractures.

Sponsoring Body : University Grant Commission (MRP), New Delhi.

Amount Sanctioned : Rs. 12,85800/-

Project Period : April 2013 to March 2016 (Completed)

c) Project's Name : Phytochemical Investigation, Anti-sickling activity studies and Formulation Development of some Indian Medicinal Plants for the Treatment and Management of Sickle Cell Anemia.

Sponsoring Body : All India Council of Technical Education (RPS), New Delhi.

Amount Sanctioned : Rs. 19,40000/-

Project Period : March 2013 to April 2016 (Completed)

d) Projects obtained and Co-ordinated as Head:

*I.* UGC – SAP- I and SAP-II on Medicinal Plant Research on the Herbal drugs and Ethnomedicines of Chhattisgarh state.

Amount Sanctioned : Rs. 52.60 lacs/-

Project Period : 2018-19 for 05 years ( In progress)

2. DST-FIST Program on Herbal drug research for the exploration of the medicinal plants of Chhattisgarh state for the anticancer activity studies.  
Amount Sanctioned : Rs. 50.00 lacs/-  
Project Period : 2019 - 20 for 05 years (In progress)
3. AICTE-MODROB Program Development of the Pharmaceutical Chemistry Laboratory  
Amount Sanctioned : Rs. 16.47 lacs/-  
Project Period : April 2019 to March 2020 (In progress)

## 6. List of Publications:

### A. Journals:

1. Synthesis, Anti-inflammatory and antiarthritic activity of newer  $\beta$ -Boswellic acid derivatives; Vinod D. Rangari, V.N.Gupta & C.K.Atal; **Indian J. Pharm. Sci.**; 52; 03; 158-60; 1990.
2. Structure and Hepatoprotective activity of a Biflavonoid from *Canarium manni*; K.K.Anand, V.N.Gupta, & Vinod D. Rangari; **Planta Medica**; 58; 493-95; 1992.
3. Chemistry and Pharmacology of *Psoralea corylifolia*; Vinod D. Rangari & S.R.Agarwal; **Indian Drugs**; 29; 562-70; 1993 (Review article).
4. Colourimetric estimation and microbiological study of *Commiphora mukul* & its formulations; Vinod D. Rangari & M. Donglikar; **Indian J. Pharm. Sci.**; 110-13; 1994.
5. Structure of 1,2,3,4,5-Pentahydroazepino (2,1-b) Quinazolin-11 (1-H) one HCl; Rajnikant, Vinod D. Rangari et. Al.; **Molecular Material**; 09; 227-234; 1998.
6. X-ray crystallographic structure of Carpaine from *Carica papaya* leaves; Rajnikant; Vinod D. Rangari et.al.; **Molecular Material**; 09; 131-137; 1998.
7. Effect of aqueous extract of *Ipomoea carnea* leaf on isolated frog and mouse Heart; K. Bachhav, M. Burande, Vinod D. Rangari. & J. Mehta; **Indian J. Experimental Biology**; 37; 1080-84; 1999.
8. Crystallography Report of Acetyl  $\beta$ - Boswellic acid; Rajnikant, Vinod D. Rangari, R. Agarwal, & S. Bapat; **Crystal Research Technology**; 36; 1; 93-100; 2001.
9. Immunomodulatory Activity Studies of Mangiferin from *Mangifera indica* bark; N. Makare, S. Bodhankar and Vinod D. Rangari; **J. Ethnopharmacology**; 78;133-137; 2001.
10. Comparative Phytochemical Studies of *Strobilanthus callosus* and *S. ixiocephala* roots; R. Agarwal & Vinod D. Rangari; **Indian Drugs**; 38 (12); 646-648; 2001.
11. Antibacterial and Antifungal Activity Studies of Essential oil of *Strobilanthus ixiocephala*; R. Agarwal, Vinod D. Rangari, & S. Singhanian; **Indian Drugs**; 39 (1); 36-38; 2002.
12. Standardisation and Quality evaluation of *Euphorbia nivulia* Buch. Ham., G.V.R. Joseph & Vinod D. Rangari; **Ancient Science of Life**; 21 (3); 160-166; 2002.

13. Phytochemical Investigation, Anti-inflammatory and antiarthritic activity study of *Strobilanthus ixiocephala* Benth. R. B. Agarwal, & Vinod D. Rangari; **Indian J. Exper. Bio.**; 41; 890-894; 2003.
14. Anti-inflammatory and antiarthritic activity study of 19 $\alpha$ -H Lupeol from *Strobilanthus callosus* Benth. R. B. Agarwal, & Vinod D. Rangari; **Indian J. Pharmacol.**, 35; 384-387; 2003.
15. Production of Acetamide derivative from Marine *Streptomyces* sp. Isolated from West coast of India; C. Kokare, Vinod D. Rangari, Balasaheb Chopade, K.R.Mahadik & S.S.Kadam, **Biosciences, Biotechnology Research Asia**; Vol.3(2); 307-316; 2005.
16. Seasonal Variation in the Essential Oil of *Strobilanthus ixiocephala*, Agarwal R. B. and Rangari V. D.; **Journal of Essential Oil Research**; 17 (3), 246-248; 2005.
17. Atinociceptive activity of aqueous extract of *Pachyptera hymenea*(DC) in mice, P. R. Verma, S. A. Deshpande & V. D. Rangari; **J. Ethnopharmacology**; 112;203- 206; 2007.
18. Antidiabetic activity potential of *Phyllanthus reticulates* in alloxan induced diabetic mice, S. Kumar, D. Kumar, R. R. Deshmukh, P. D. Lokhande, S. N. More and V. D. Rangari, **Fitoterapia**, 79, 21-23, 2008.
19. Hepatoprotective activity of Herbal Drug Formulation, M. Kambale, R. Dumbhre and V. D. Rangari, **International Journal of Green Pharmacy**, 02, 147-51, 2008.
20. Development and evaluation of formulations of microbial biotransformed extract of tobacco leaves for hair growth potential, Aslesh V. Murkute, Mahesh S. Sahu, Prashant Y. Mali and Vinod D. Rangari, **Pharmacognosy Research**, 02 (05), 300-303, 2010.
21. Evaluation of immunomodulatory potential of ethanolic extract of *Roscoeia procera rhizomes* in mice, Mahesh S Sahu, Prashant Y Mali, Shekhar B Waikar, and Vinod D Rangari, **Journal of Pharmacy and Bio-allied Sciences**, 02 (04),346-349, 2010.
22. Evaluation of analgesic potential of *Trigonella foenum graecum* (Fenugreek) seeds in rats by using tail flick method; Kapil G. Malviya, Mukesh W. Babhulkar, Prashant Y. Mali and Vinod D. Rangari, **Journal of Pharmacy Research**, 03 (07),1680-1681, 2010.
23. Evaluation of anti-inflammatory potential of *Trigonella foenum graecum* (Fenugreek) seed extracts by using carrageenan induced rat paw edema; Kapil G. Malviya, Mukesh W. Babhulkar, Prashant Y. Mali and Vinod D. Rangari, **Drug Invention Today**, 02 (02),109-111, 2010.
24. Pravin V. Gomase, Vinod V. Rangari, and P. R. Verma, Phytochemical evaluation and hepatoprotective activity of fresh juice of young stem bark of *Azadirachta indica* a. Juss, **International Journal of Pharmacy and Pharmaceutical Sciences**, 03 (02), 55-59, 2011.
25. Evaluation and Antinociceptive activity of fresh leaf juice of ethanolic extract of *Moringa oleifera* Lam., Kanchan P. Upadhey, Vinod D. Rangari, Vijay B. Mathur, **Asian J. of Pharmaceutical and Clinical Research**, 04 (01), 114-116, 2011.

26. Semisynthetic modification and Immunomodulatory activity studies of 19 $\alpha$ -H lupeol esters, Anup K Chakraborty and Vinod D Rangari, **Der Pharmacia Sinica**, 2(2), 198-211. 2011.
27. Kanchan P. Upadhye, Vinod D. Rangari, Vijay B. Mathur, Antimigraine activity study of *Moringa oleifera* leaf juice, **International Journal of Green Pharmacy**, 6(3), 204-207, 2012.
28. Isolation and characterization of bioactive compound from *Roscoea procera* rhizomes; Mehesh S. Sahu, Amita Verma, Prashant Y. Mali and Vinod D. Rangari, **Inventi Impact: Pharmaceutical Analysis & Quality Assurance**, Vol. (01), 15-16, 2012.
29. Sandhya P. Godi, Prashant Y. Mali, Vinod D. Rangari; Phytochemical, antimicrobial, investigation and formulations development of extract of *Semicarpus anacardium* seed for their antidandruff potential; **International Journal of Nutrition, Pharmacology, Neurological Diseases**; Vol 3(4), 367-374, 2013.
30. Sachin M. Hiradeve and Vinod D. Rangari, *Elephantopus scaber* Linn.: A review on its ethnomedical, phytochemical and pharmacological profile, **J. of Applied Biomedicine**, 12 (2), 49–61, (Review) (ISSN No. 1214-021X)
31. Sachin M. Hiradeve and Vinod D. Rangari, A review on pharmacology and toxicology of *Elephantopus scaber* Linn. **Natural Product Research**, 28(11), 819-30. Available online 13 March, 2014. (Review) (1478-6419 ; 1478-6427)
32. M. N. Motiwala and V. D. Rangari, The effect of piperine on oral bioavailability and pharmacokinetics of paclitaxel in rats, **International Journal of Pharmaceutical and phytopharmacological Research**, 3 (5), 399-403, Available online-April, 2014 (ISSN No. E-2249-6084 P- 2250-1029) (Impact factor: 0.7826).
33. Mousumi Dutta, Arnab Kumar Ghosh<sup>1</sup>, Vishwaraman Mohan, Prachi Shukla, Vinod Rangari, Aindrila Chattopadhyay, Tridib Das, Debojit Bhowmick and Debasish Bandyopadhyay, Antioxidant mechanism(s) of protective effects of Fenugreek 4-hydroxyisoleucine and trigonelline enriched fraction (TF4H (28%)) Sugaheal® against copper-ascorbate induced injury to goat cardiac mitochondria *in vitro*, **Journal of Pharmacy Research**, 8(6),798-811, 2014. (ISSN No. 00974694, 09746943) (Impact factor - 2.667).
34. Mousumi Dutta, Arnab Kumar Ghosh, Prachi Mishra, Garima Jain, Vinod Rangari, Aindrila Chattopadhyay, Tridib Das, Debajit Bhowmick and Debasish Bandyopadhyay, Protective effects of piperine against copperascorbate induced toxic injury to goat cardiac mitochondria *in vitro*, **Food and Function**, 5, 2252-2267, 2014. (ISSN No. 2042-650X)
35. Mousumi Dutta, Arnab Kumar Ghosh, Vinod Rangari, Garima Jain, Sonali M. Khobragade, Aindrila Chattopadhyay, Debajit Bhowmick, Tridib Das, Debasish Bandyopadhyay, Silymarin protects against copper-ascorbate induced injury to goat cardiac mitochondria *in vitro*: involvement of antioxidant mechanism(s), **Int. J. of Pharmacy and Pharmaceutical Sciences**, 6 (8), 2014, 422-429, 2014.
36. Mousumi Dutta, Arnab Kumar Ghosh, Garima Jain, Vinod Rangari, Aindrila Chattopadhyay, Tridib Das, Debajit Bhowmick, Debasish Bandyopadhyay,

Andrographolide, One of the Major Components of *Andrographis paniculata* Protects against Copper-Ascorbate Induced Oxidative Damages to Goat Cardiac Mitochondria *In-Vitro*, **Int. J. Pharm. Sci. Rev. Res.**, 28(1), 237-247, 2014. (ISSN No. 0976-044X)

37. Shukla P. and Rangari V. D., 'Phytochemistry, Mode of action, and pharmacological applications of 4-Hydroxyisoleucine from *Triginella foenum graecum*, **Indian drugs**, 51(11), 5-16, 2014. (Review) (ISSN No. 0019-462X)
38. Garima Jain and Vinod D. Rangari, 'Effect of piperine in combination with 4-hydroxyisoleucine enriched *Trigonella foenum graecum* extract and silymarin on paracetamol induced liver damage in rats', **Int. J. Pharmacy and Pharm. Sciences**, 7 (2), 73-75, 2015 (ISSN: 0975-1491).
39. Prachi Shukla and Vinod Rangari, 'Enhancement of Anti-Diabetic Activity of 4-Hydroxyisoleucine in Combination with Natural Bioavailability Enhancers', **Int. J. Pharmacy and Pharm. Sciences**, 7 (4), 2015, 302-306. (ISSN: 0975-1491).
40. Sachin M. Hiradeve and Vinod D. Rangari, 'Deoxyelephantopin: A cytotoxic sesquiterpene lactones from *Elephantopus scaber* Linn.', **Research Chronicle in Health Sciences**, 1(1), 2015, 68-79 (Review) (ISSN: 2395-552X).
41. Swati Prakash, Pankaj Kherde, and Vinod Rangari, 'Bioenhancement Effect of Piperine and Ginger Oleo Resin on the Bioavailability of Atazanvir', **Int. J. Pharmacy and Pharm. Sciences**, 7 (10), 2015, 241-245 (ISSN: 0975-1491).
42. Sachin Hiradeve and Vinod Rangari, 'Antibacterial and Antifungal activity of *Elephantopus scaber* Linn', **Int. J. of Biomedical Research**, 6(5), 2015, 338-345 (ISSN: 0976-9633, 2455-0566)
43. Amrisha Sharma and Vinod Rangari, 'Antibacterial, Antifungal and Antitubercular activity of methanolic extracts of *Adansonia digitata*', **Int. J. of Pharmacy and Biological Sciences**, 10 (4), 2015, 52-60 (ISSN: 2230-7605).
44. M. N. Motiwala and V. D. Rangari, Combined effect of paclitaxel and piperine on a MCF-7 breast cancer cell line in vitro: Evidence of a synergistic interaction, **Synergy**, 2, 1-6, 2015 (ISSN No. 2213-7130).
45. Niranjana Ghosal, Syed Benazir Firdaus, Sudeshna Paul, Shamreen Naaz1, Aindrila Chattopadhyay, Prachi Shukla, Garima Jain, Sanjib Pattari, Vinod D. Rangari and Debasish Bandyopadhyay, 'Amelioration of gastrotoxic effect of indomethacin by piperine in male Wistar rats: a novel therapeutic approach', **Journal of Pharmacy Research**, 10(5), 2016, 240-254 (ISSN: 0974-6943).
46. Shilpa Vaishnava and Vinod D. Rangari, 'A review on phytochemical and pharmacological research - remedy for sickle cell disease', **Int. J. of Pharmaceutical Sciences and Research**, 7(2), 2016, 472-481. (E-ISSN: 0975-8232 P-ISSN: 2320-5148).
47. Amarish Sharma and Vinod Rangari 'Immunomodulatory Activity of Methanolic Extract of *Adansonia digitata* L. Leaves, Root Bark and Fruit Pulp', **Tropical J. of Pharmacy Research**, 15(9), 2016, 1923-1927 (E-ISSN: 1596-9827, P-ISSN: 1596-5996).

48. Sachin M. Hiradeve and Vinod D. Rangari, 'Immunomodulatory study of different solvent extract of *Elephantopus scaber* Linn.', **Drug Research**, 67, 2017, 1-6.
49. Firoj A. Tamboli\*, Vinod D. Rangari, Suresh G. Killedar et.al., Comparative phytochemical evaluation of natural and micropropagated plants of *Bacopa monnieri* (L.), **Marmara Pharmaceutical Journal**, 2018, 22 (1), 66 -73.
50. Shilpa Vaishnava and V. D. Rangari, In-Vitro Anti-Sickling Activity of Selected Medicinal Plant to Explore Herbal Remedies for Sickle Cell Anemia, **Int J Pharma Res Health Sci.**, 7 (1), 2019, 2909-14.
51. Sachin Hiradeve, Arnab K. Ghosh, Sudeshna Paul, Debashish Bandyopadhyay and Vinod. D. Rangari, *Elephantopus scaber* Linn. extract protects against copper ascorbate induced injury to goat heart mitochondria in-vitro: Involvement of antioxidant mechanisms, **Asian J. Pharmacy and Pharmacology**, 5 (4), 2019, 762-770.
52. Firoj A Tamboli, Vinod D Rangari, Harinath N More, Vijay H Kutwade, Vivek M Patil, Antidepressant effects of natural and micropropagated *Bacopa monnieri* (L.) plant extracts, **Indian Journal of Pharmacy and Pharmacology**, 8 (2), 2021, 141-145.
53. Tamboli FA Rangari VD and More H., The anxiolytic action of natural and micropropagated plant extracts of *Bacopa monnieri* (L.) in Swiss albino mice by elevated maze and swim test, **Int J Biology, Pharmacy and Allied Sciences**, 10 (11). 2021, 3938-3950.
54. Firoj A. Tamboli<sup>1</sup>, Vinod D. Rangari, Shreyash D. Tarlekar, Rajendra D. Jadhav, Kamal M. Alaskar, Vaibhava V. Desai, Rajesh U. Kanthe, Brahmi (*Bacopa monnieri*): an ayurvedic herb in the management of various diseases, **Journal of Postharvest Technology**, 10(4), 2022, 59-74.
55. Parasuraman Mohan, Vinod D. Rangari & Karthikeyan Kesavan, Cationic Chitosan/Pectin Polyelectrolyte Nanocapsules of Moxifloxacin as Novel Topical Management System for Bacterial Keratitis, **Current Eye Research**, 47:11, 2022, 1498-1507.

## **B. Conference Proceedings:**

1. Effect of Piperine on the bioavailability of Paclitaxel; Meha N. Motiwala, Vinod D. Rangari; **Proceedings of the first Current Drug Development Conference**, Phuket, Thailand; page 24-28, May 06-08, 2010.
2. Phytochemical, Pharmacological and formulation studies on the fresh juice of *Acacia Arabica* stems and leaves; Anwar Daud, Vinod D. Rangari and Sachin D. Bute; **Proceedings of the first Current Drug Development Conference**, Phuket, Thailand; page 76-78, May 06-08, 2010.
3. Isolation and anti-inflammatory activity study of 19 $\alpha$ -H-lupeol and its ester derivatives; Vinod D. Rangari and Anup K. Chakraborty; **Proceedings of the first Current Drug Development Conference**, Phuket, Thailand; page 87-91, May 06-08, 2010.

4. The 84000 Dhammakhandha of Buddhism in Service of Human Enlightenment, Vinod D. Rangari, **The Journal of the International Association of Buddhist Universities (JIABU)**, 11 (03), 2018.

### **C. Patents:**

1. **“Development of an Effective Immuno-stimulant Herbal Drug Formulation for the treatment of AIDS and the process thereof”**, Application No.: 186/MUM/2000, Date of Filing: 06-03-2000, Publication Date: 12-08-2005.
2. **“Isolation of Oleanolic acid from clove and the process thereof”**, Application No.: 2428/MUM/2008, Date of Filing: 18-11-2008, Publication Date: 28-05-2010, Request for examination: 26-09-2011, Status: **Indian Patent Granted on 17-05-2017, Patent Number: 283354.**
3. **“A New Pharmaceutical combination comprising an Anticancer drug, Paclitaxel and Bioactive Bioenhancer”**, Application No.: 1741/MUM/2009, Date of Filing: 30-07-2009, Publication Date: 04-07-2014.
4. **“Development of an Effective Herbal Drug Formulation for the treatment of Sickle Cell Anaemia and the Process thereof”**, Application No.: 2948/MUM/2009, Date of Filing: 22-12-2009, Date of Publication: 22-01-2016, Request for Examination: 18-12-2013.  
**WIPO Patent Application:**  
**Pub.No.: WO/2011/077455 International Application No.: PCT/IN2010/000840**  
**Publication Date: 30.06.2011 International Filing Date: 22.12.2010.**

### **D. Agreement & Technology Transfer:**

MoU has been signed in between Researchist - **Dr. Vinod D. Rangari** and the Director- **Zim Laboratories Ltd, Nagpur**, for collaborative research work, Patent proposals and commercialization of the research output.

### **7. Recent Books/Book Chapters published:**

#### **A. Books**

1. **Pharmacognosy and Phytochemistry Part -1** (ISBN: 978-81-88739-45-5) &
2. **Pharmacognosy and Phytochemistry Part -2** (ISBN: 978-81-88739-65-3)

*Author* : Dr. Vinod D. Rangari

*Publisher* : Career Publications, Nashik, India

3. **HIV-AIDS and Bioactive Natural Products** (ISBN: 1-933699-45-0)

*Author* : Dr. Vinod D. Rangari, Rahul K. Dumbre and Manisha R. Dumbre

*Publisher* : Studium Press Llc, Houston, Texas, USA.

4. **Pharmacognosy-II, Gujrat Technical University, (ISBN: 978-81-88739-86-8)**

*Author* : Dr. Vinod D. Rangari

*Publisher* : Career Publications, Nashik, India.

5. **'Pravah'**, Marathi poetry book, with a pen-name 'Sudant' published by Lokayat Prakashan, Satara, Maharashtra.
6. **'Safar'**, Hindi poetry book, with a pen-name 'Sudant' published by Lokayat Prakashan, Satara, Maharashtra.
7. **'Practical Pharmacognosy and Phytochemistry'** (ISBN: 978 93 82322 80 1)  
**Author** : Dr. Vinod D. Rangari  
**Publisher** : Career Publications, Nashik, India.
8. **'Encounter with Satipatthana- 84,000 Dhammakkhanda of Buddhism'**,  
 (ISBN:978 93 88247 51 1)  
**Author** : Dr. Vinod D. Rangari  
**Publisher** : Embassy Book Distributors, Mumbai, India
9. **'Scholars'**: (ISBN: 978 1 63669 741 3)  
**Author** : Dr. Vinod D. Rangari  
**Publisher** : Notion Press, Chennai, India.

## **B. Book Chapters:**

1. Vinod D. Rangari, **'Tannins containing Drugs'**, Book chapters on CSIR ( Govt. of India) web-site Project: <http://nsdl.niscair.res.in>
2. Vinod D. Rangari, **'Proteins and Enzyme Containing Drugs'**, Book chapters on CSIR ( Govt. of India) web-site Project: <http://nsdl.niscair.res.in>
3. Vinod Rangari, Prachi Shukla, and Dr. Sachin L. Badole, 4-Hydroxyisoleucine- Potential antidiabetic agent from *Trigonella foenum graecum*, **Glucose Intake and Utilization in Pre-diabetes and Diabetes: Induction of Cardiovascular disease**, Editors: Ronald R. Watson and Betsy Dokken, Elsevier Publisher, Chapter 16, 2014.
4. Dr. Sachin L. Badole, Kalyani Y. Patil and Dr. Vinod D. Rangari, Antihyperglycemic activity of bioactive compounds from soybeans, in book " **Glucose intake and utilization in pre-diabetes and diabetes: Implications of cardiovascular disease "** Editors: Ronald R. Watson and Betsy Dokken, Elsevier Publisher, Chapter 15, 2014.

## **8. Research Supervision:**

A. M. Pharm. Projects Supervision: 63

B. Ph.D. Supervision: 07

1. Ramesh B. Agarwal, **Fellowship**: CSIR, New Delhi,  
**Research project**: Phytochemical, Pharmacological and Immunomodulatory studies of to new Indian Medicinal Plants, *Strobilanthus callosus* and *S. ixiocephala* for development of Novel Anti-inflammatory and Antiarthritic drugs" (Awarded)..
2. Shishupal B. Bodele : **Yr. of Award**: 2011  
**Research project**: Phytochemical investigation and Bone fracture healing activity studies of some Indian Medicinal Plants (Awarded).
3. Mrs. K. P. Upadhye : **Yr. of Award**: 2015  
**Research project**: Phytochemical investigation and Antimigraine activity studies of some Indian Medicinal Plants (Awarded).



4. Mr. Amarish Sharma,  
**Seminars Research project:** Phytochemical investigation, Immunomodulatory and Anti-HIV activity studies of *Dansonia digitata* (Awarded).
4. Mr. Sachin Hiradeve, **Fellowship:** Guru Ghasidas University Fellowship  
**Research Project:** Phytochemical evaluation and pharmacological activity studies *Strobilanthus callosus* (Awarded).
5. Ms. Shilapa Vaisnav, **Fellowship:** Guru Ghasidas University Fellowship.  
**Research Project:** Phytochemical evaluation and antisickling activity studies some Indian medicinal plants (Awarded).
6. Ms. Nivedita Gautam, **Fellowship:** Guru Ghasidas University Fellowship.  
**Research Project:** Phase Transition Microemulsion as Carrier system for Ocular drug delivery (Co-guide). Awarded.
7. Mr. Mohan, **Fellowship:** Guru Ghasidas University Fellowship.  
**Research Project:** Studies on Mucoadhesive Nanocarriers for effective treatment of Ocular diseases (Co-guide) Awarded.

#### **9. Administrative Responsibilities held:**

1. Head of the Department in Pharmacy, GGV, Bilaspur
2. Dean of the School of Studies of Natural Resources, GGV, Bilaspur
3. Dean of the School of Studies of Engineering and Technology, GGV, Bilaspur

#### **10. Additional Information:**

##### **A. Conferences Organized, attended & Guest Lectures delivered as Resource Person**

1. Seminars organized: 05
2. National Conferences attended: 30
3. International Conferences attended: 17
4. Guest Lectures delivered: 46

##### **B. Life membership of the National bodies**

- i) Indian Pharmacy Teachers Association, Maharashtra State.
- ii) Pharmacy Council of India, New Delhi, Membership No. : **76758**
- iii) The Society for Ethnopharmacology (SFE) : **SFE/15/I-623**

*Date: Dec. 23, 2022*

Place: Bilaspur.

*( Dr. Vinod D. Rangari )*