

RESUME



Name: Arun Bhimrao Joshi, M. Pharm., Ph.D

Designation: Professor and Head, Department of Pharmacognosy

Date of Birth: December 2, 1964.

Field of Specialization: Pharmacognosy and Phytochemistry

Date of Joining Goa College of Pharmacy: 31/08/2009

Academic & Professional Qualifications:

Ph.D.: Ph. D in Pharmacy, RGUHS, Bangalore 2005

M. Pharm.: M. Pharma in Pharmacognosy & Phytochemistry, Karnataka University, 1992.

B. Pharm.: Karnataka University, 1989

POSITIONS HELD:

- Professor, Head, Department of Pharmacognosy and Phytochemistry, Goa College of Pharmacy, Panaji, August 2009 onwards.
- Professor, Head, Department of Pharmacognosy and Phytochemistry, NGSM Inst. Of Pharm. Sciences, Mangalore, 2005 – 2009.
- Reader, Head, Department of Pharmacognosy and Phytochemistry, NGSM Inst. Of Pharm. Sciences, Mangalore, 1999 – 2005.
- Asst. Professor: AGSM Inst. Of Pharm. Sciences, Mangalore, 1998 – 1999.
- Asst. Professor & Vice Principal: Soniya College of Pharmacy, Hubli, 1982 – 86.
- Lecturer: TMEA Society College of Pharmacy, 1990 – 91.
- Junior Chemist: Sapra Pharmaceutical Limited, 1989 – 90.

Research Interests: Pharmacognosy & Phytochemistry

Subjects Taught: Medicinal Chemistry for M. Pharm,
Pharmacognosy, Phytochemistry and Biotechnology for B. Pharm.

Subjects Presently Teaching: Advanced Pharmacognosy, Phytochemistry, Medicinal Plant Biotechnology, Herbal Product Development and Formulation for M. Pharm (Pharmacognosy).

REFRESHER COURSES:

- Attended faculty development programme at Manipal during April 1996.
- Attended refresher course in instrumental analysis from 15th July to 21st July 2002, conducted by the University college of Pharmaceutical Sciences, Kakatiya University, Warangal (A.P)

- Resource Person – In the National Conference on role of traditional medicines and natural products in the management of neurodegenerative disorders, sponsored by ICMR, New Delhi held on 22nd- 24th June, 2008 at Soniya Education Trust's College of Pharmacy, Dharwad, Karnataka.

M. PHARM PROJECTS COMPLETED:

1. Phytochemical and Pharmacological Investigation of the fruits of *Coccinia Indica*, Guntapalli, M. Mohan Rao.
2. Phytochemical and Pharmacological investigation of the leaves of *Coccinia Indica*.
3. Phytochemical and Pharmacological investigations of leaves of *Lagenaria vulgaris*.
4. Phytochemical and Pharmacological investigation of the leaves of *Solanum xanthocarpum*, Santhosh Shenoy.
5. Phytochemical and Pharmacological investigation of the roots of *Ervatamia heynean*, Hemalata Sati.
6. Phytochemical investigation and antibacterial activity of the roots of *Memecylon umbellatum*, Sivshankar Reddy.
7. Phytochemical and Pharmacological investigation of the roots of *Calatropis gigantean*, Himanshu Joshi.
8. Study of Analgesic and anti-inflammatory effects of the plant *Spilanthes acmella* var, *oleracea*, Veerashekar. T.
9. Pharmaceutical investigation of the entire plant of *Enicostemma littorale*, Jayachitra. R.
10. Chemical and Pharmacological investigation of *Memecylon malbaricum* by Mr. Arvind Arya.
11. Phytochemical and Pharmacological investigation of *Moringa oliriferea* by Ms. Anu Varghese.
12. Isolation of triterpenoids and steroid from the roots of the *Memecylon umbellatum* burm by Mr. Shetty Prajwal.

PH. D PROJECTS COMPLETED:

- Phytochemical & pharmacological investigation of the plant *Ervatamia coronaria* by Arun B. Joshi.

ONGOING PH. D. PROJECTS:

- Chemical and pharmacological investigation of cow urine by Mr. Gururaja M. P.
- Phytochemical and pharmacological investigation of *Memecylon umbellatum* by Mr. Himanshu Joshi.
- Chemical and Pharmacological investigation of plant *Carissa carandus* and *Carissa spinarium* by Mr. Karunakar Hegde.
- Phytochemical and pharmacological investigation of the plant *Desmodium oojeinense* by Mr. Jayadevaiah.

PAPER PUBLICATIONS:

1. Isolation and characterization of Indole alkaloids from the flowers of *Ervatamia coronaria* (syn: *Tabernaemontana divaricata*) A. B. Joshi, K. S. Chandrashekar, D. Sathyanarayana, E. V. S. Subrahmanyam, Natural Product Sciences, 10(3), 2004, 96-98.
2. Anti-inflammatory activity of the flowers of *Tabernaemontana divaricata*, D. Sathyanarayana A. B. Joshi, K. S. Chandrashekar, Vijayanarayana K. Indian drugs, 41(7), 2004, 405-407.
3. Phytochemical studies of *Phyllanthus debilis*, K. S. Chandrashekar, D. Sathyanarayana, A.B. Joshi, E. V. S. Subrahmanyam, Natural Product Sciences, 10(3), 2004, 101-103.
4. Antimicrobial screening of different extract of *Anacardium occidentale* Linn. Leaves, Akash P. Dahake, Vishal D. Joshi, Arun B. Joshi, International Journal of Chemical Technology and Research, 1(4), 2009, 856-858.
5. Antimicrobial efficacy of essential oils of *Cymbopogon* species, K. S. Chandrashekar, A. B. Joshi., Indian Perfumer, 48(3), 2004, 327-329.
6. Flavonoid glycoside from *Leucas lavandulaefolia*, K. S. Chandrashekar, , D. Sathyanarayana, A. B. Joshi, E. V. S. Subrahmanyam, Asian Journal of Chemistry, 17(4),2005, 2853-2854.
7. Analgesic and anti-inflammatory activities of *Phyllanthus debilis* whole plant, K. S. Chandrashekar, A. B. Joshi., D. Sathyanarayana, P. Pai, Pharmaceutical Biology, 43(7), 2005, 586-588.

8. Flavonoid glycoside from *Leucas lavandulaefolia*, K. S. Chandrashekar, B. J. Arun, D. Sathyanarayana, E. V. S. Subrahmanyam, Indian Journal of Heterocyclic Chemistry, 15, 2005, 183-184.
9. Chemical composition and anthelmintic activity of essential oil of three *Cymbopogon* species of South Canara, India., K. S. Chandrashekar, A. B. Joshi, Journal of Saudi Chemical Society, 10(1), 2006, 109-112.
10. Analgesic activity of *Leucas lavandulaefolia* Rees, K. S. Chandrashekar, A. B. Joshi., D. Sathyanarayana, Indian drugs, 42(2), 2005, 78-80.
11. Antifungal efficacy of essential oil of *Cymbopogon* species against some dermatophytes, K. S. Chandrashekar, A. B. Joshi., Indian Perfumer, 50, 2006, 54-56.
12. Hepatoprotective activity of the *Leucas lavandulaefolia* on D-galactosamine induced hepatic injury in rats, K. S. Chandrashekar, K. S. Prasanna, A. B. Joshi., Fitoterapia, 78, 2007, 440-442.
13. *Ervatamia heyneana*: some pharmacological activities, Hemalatha Sati, Himanshu Joshi, Arun B. Joshi, Gururaj M. P., E. V. S. Subrahmanyam D. Sathyanarayana, Advanced Pharmacology and Toxicology, 8(3), 2007, 47-50.
14. Flavonoids of *Memecylon umbellatom* (Burm), M. P. Gururaj, A. B. Joshi., Himanshu Joshi, Hemalatha Sati, Asian Journal of Chemistry, 21(2), 2009, 1639-1641.
15. Antihepatotoxic effect of cow urine distillate against acetaminophen induced hepatic damage in Rats, M. P. Gururaj, A. B. Joshi., Himanshu Joshi, Asian Journal of Chemistry, 21(2), 2009, 1377-1380.
16. Flavonoid glycoside from *Leucas lavandulaefolia* Aerial parts, K. S. Chandrashekar, B. J. Arun, D. Sathyanarayana, E. V. S. Subrahmanyam, Indian Journal of Chemistry, 45(B), 2006, 1968-1969.
17. Phytochemical and Pharmacological Investigation of Roots of *Syzygium cumini* (L) Skeel, Nikhat F., D. Sathyanarayana, Arun B. Joshi, Asian Journal of Research Chemistry, 1(1), 2008, 22-25.
18. Anthelmintic potential of certain ethno-medical plants of Karnataka State, India, Hemalatha Sati, Himanshu Joshi, Arun B. Joshi, Gururaj M. P., E. V. S. Subrahmanyam D. Sathyanarayana *Planta indica*, 4(4), 2008, 39-40.
19. Diuretic activity of Ethanolic extract of *Ervatamia Heyneana* roots, Hemalatha Sati Himanshu Joshi, Arun B. Joshi, The Pharma Review, March, 2009, 148-150.

20. Anthelmintic Potential of *Memecylon umbellatum* roots, Himanshu Joshi, Arun B. Joshi, Hemalatha Sati, Gururaj M. P., E. V. S. Subrahmanyam, D. Satyanarayana, *Pharmacology & Toxicology*, 9(2), 2008, 77-79.
21. Anticonvulsant activity of *Carissa carandas* Linn. Root extract in experimental mice, Karunakar Hegde, Shalin P. Thakkar, Arun B. Joshi, C. S. Sashtri, K. S. Chandrashekar, *Tropical Journal of Pharmaceutical Research*, 8(2), 2009, 117-125.
22. Anti-inflammatory activity of *Bauhinia purpuria* stem bark extracts against carrageenan induced rat paw edema, Chandrashekar K. S., Tekeshwar Kumar, Joshi. A. B., Santanu Saha, Hitesh, Prasanna K. S., *Herbal Heritage*, 1(1), 2009, 42-45.
23. Hepatoprotective activity of *Memecylon umbellatum* roots against acetaminophen induced hepatotoxicity in rats, Himanshu Joshi, Arun B. Joshi, Hemalatha Sati, Gururaj M. P., Raghunath Pokale, E. V. S. Subrahmanyam D. Satyanarayana, *Journal of Research Education Indian Medicine*, April-June, 2008, 49-53.
24. Isolation and characterization of chemical constituents from roots of *Carissa carandas*, Karunakar Hegde, Shalin P. Thakkar, Arun B. Joshi, *Asian Journal of Chemistry*, 25(7), 2009, 5399-5402.
25. Anti-inflammatory potential of *Memecylon umbellatum* root extract, Himanshu Joshi, Arun B. Joshi, Hemalatha Sati, Gururaj M. P., K. Chandrashekar, E. V. S. Subrahmanyam D. Satyanarayana, *International Journal of Pharmacological and Biological Science*, 3(1), 2009, 11-15.
26. Hepatoprotective Activity Of *Memecylon umbellatum* roots against carbon tetrachloride induced hepatotoxicity in rats, Himanshu Joshi, Arun B. Joshi, *Advanced Pharmacology & Toxicology*, 10(1), 2009, 83-88.
27. Nephroprotective activity of *Memecylon umbellatum* (Burm) roots, Himanshu Joshi, Arun B. Joshi, *Herbal Heritage*, 1(2), 2009, 65-69.
28. Anthelmintic activity of *Tectona grandis* Linn leaves, Gururaja MP, Joshi AB, Himanshu Joshi, Chandrashekar K.S., Prasanna K.S, Subrahmanyam EVS, Satyanarayana D., *Herbal Heritage*, 1(2), 2009, 97-99.
29. Hepatoprotective effect of *Carissa carandas* Linn root extract against CCl₄ and paracetamol induced hepatic oxidative stress, Hegde K, Joshi A. B., *Indian Journal of Experimental Biology*, 47(8), 2009, 660-667.
30. Antimicrobial investigation of different extracts of *Dolichos lablab* beans, Akash P. Dahake, Arun B. Joshi, Krupal M. Patel, *Research Journal of Pharmacognosy and Phytochemistry*, 1(2), 2009, 123-125.

31. Antihyperglycemic activity of *Anacardium occidentale* Linn in alloxan induced diabetic rats, Akash P. Dahake, D. Satyanarayana, Arun B. Joshi, K. S. Chandrashekar, Himanshu Joshi, Asian Journal of Research Chemistry, 2(3), 2009, 262-265.
32. MP Gururaja, AB Joshi, Himanshu Joshi, D Satyanarayana, EVS Subrahmanyam, KS Chandrashekar, Anti diabetic activity of Cow urine against streptozotocin induced diabetic rats, Asian Journal of traditional medicine 2011;6(1):235-240.
33. Hypoglycemic effect of *Memecylon umbellatum* roots. Himanshu Joshi, Arun. B. Joshi, Hemelata Sati, Gururaja M. P., EVS Subrahmanyam, D. Satyanarayana and Divya Mascarenhas. Phcog Mag. 2008, 4(15), 145-148.
34. Phytochemical screening of *Memecylon umbellatom* root extract by TLC. Himanshu Johsi, Arun. B. Joshi, Hemalata Sati, Prajwal Shetty, D. Satyanarayana and EVS. Subrahmanyam, Planta Indica. 2009, 5(1), 35-37.
35. Antibacterial and antifungal potential of *Pongamia pinnata* seeds. Neethu verghese, Himanshu Joshi, D. Satyanarayana, Arun. B. Joshi, EVS Subrahmanyam, Planta Indica, 2009, 5(1), 57-60.
36. Attenuation of carbontetrachloride induced hepatotoxicity by cow urine distillate in rats. Gururaj M. P., A. B. Joshi, Himanshu Joshi, D. Satyanarayana, EVS Subrahmanyam, K.S. Chandrashekar, Biochemical and Environmental Sciences. 2009, 22
37. Fatty acids from *Memecylon umbellatom* Burm. Himanshu Joshi, A. B. Joshi, Hemalata Sati, Gururaja M. P., Prajwal Shetty, EVS Subrahmanyam, D Satyanarayana. J. Research Chem. 2009, 2(2), 178-180.
38. Evaluation of nephroprotective activity of cow urine against gentamycin induced renal damage in rats. MP Gururaja, A. B. Joshi, Himanshu Joshi, EVS Subrahmanyam, D Satyanarayana. Int. J. Chem Sci. 2009, 7(2), 1027-1032.
39. Hepatoprotective activity of *Desmodium oojeinense* (Roxb.) H. Ohashi against Paracetamol Induced hepatotoxicity. Jayadevaiah K.V., Ishwar Bhat K., A.B. Joshi, Vijaykumar M.M.J., Pinkey Rawal. Asian Journal of Pharmaceutical and health sciences. Apr-Jun 2012Vol 2(2),312-315.
40. Analgesic and Anti-inflammatory activity of *Desmodium oojeinense* (Roxb.) H. Ohashi. Jayadevaiah K.V., Ishwar Bhat K., A.B. Joshi, Vijaykumar M.M.J., G. Swetha. American journal of pharmatech research 2012, 2(1),556-563.

41. Invitro anti-oxydant activity of *Desmodium oojeinense* (Roxb.) H. Ohashi. Jayadevaiah K.V., Ishwar Bhat K., A.B. Joshi, Vijaykumar M.M.J., G. Swetha, Rajashekhar K.V. Pharmacologyonline 2011, 3.1119-1126.
42. Physicochemical and phytochemical investigation of the roots of *Leea indica*(Burm. f.) Merr. Arun B. Joshi, Prathana U. Tari, Maya Bhobe. Int. J. Drug Formuln. Res. 2013, 4(3), 86-101.
43. Physicochemical and phytochemical investigation of the roots of *Grewia microcos* linn. Arun Joshi, Maya Bhobe, Ashma Sattarkar. Am. J.Pharm Health Res. 2013, 1(4), 55-65.
44. *Tectona grandis*: Phytochemical Investigation. Arun Joshi, Maya Bhobe, Apurva Pednekar. Am. J. Pharm Health Res. 2013, 1(4), 28-37.
45. Phytochemical investigation of hexane extract of stem bark of *Bauhinia purpurea* linn. Arun B. Joshi, Roocha R. Desai* and Maya P. Bhobe. Der Pharma chemical, 2013, 5(3):116-121
46. Phytochemical investigation of the roots of *Wattakaka volubilis*. Arun B. Joshi, Prachi K. Anvekar and Maya P. Bhobe. Der Pharma chemical, 2013, 5(3):112-115.
47. Phytochemical investigation of the Rhizomes of *Sansevieria roxburghiana*. Arun B. Joshi, Maya Bhobe, Gauri Pai Angle. Am. J. Pharm Health Res. 2013, 1(4), 16-26.
48. *Ixora coccinea* linn phytochemical investigation. Arun B. Joshi, P.M. Surlikar, Maya Bhobe. International journal of research in pharmacy and chemistry, 2013,3(3),691-696.
49. Physicochemical and phytochemical investigation of stem bark of *Terminalia tomentosa roxb (ex dc) wight and arn*. Arun B. Joshi, M. Bhobe, A. Babu. International journal of advances in pharmacy, biology and chemistry. Vol. 2(3), jul-sep, 2013,542-548.
50. Phytochemical investigation of the Roots of *Leea indica*(Burm. f.) Merr. AB. Joshi, PU. Tari, M. Bhobe. International Journal of Research in pharmaceutical and biomedical sciences. July- Sept 2013, 4(3), 919-925.
51. Phytochemical investigation of the roots of *Grewia microcos* Linn. Arun Joshi*, Maya Bhobe and Ashma Sattarkar. Journal of Chemical and Pharmaceutical Research, 2013, 5(7):80-87

52. Physicochemical and Phytochemical Screening of the roots of *Ixora Coccinea* linn. Arun Joshi*, Poonam surlikar and Maya Bhobe. Der Pharma. Chemica, 2013, 5(4).
53. *Terminalia tomentosa* Roxb (Ex Dc) Wight & Arn: Phytochemical Investigation. Arun Bhimarao Joshi*, Aswathi M, Maya Bhobe. American Journal of Advanced Drug Delivery, 2013, 1(3):224-231.
54. Screening for Antimicrobial Activity of the Stem Bark of *Bauhinia purpurea* Linn. Yogita Sardesai, Roocha R. Desai*, Arun B. Joshi, Maya P. Bhobe. Global Journal of Pharmacology 7 (3) : 288-293, 2013
55. Significant antimicrobial activity exerted by the ethanolic extract of rhizomes of *Sansevieria roxburghiana*. Yogita Sardesai, Gauri Pai Angle*, Arun Joshi, Maya Bhobe. International Journal of Pharmacy, Photon 104 (2013) 327-334
56. Physiocochemical and Phytochemical Investigation of the Roots of *Paederia Foetida* Linn. Arun B. Joshi*, Gleason M. Ferrao. American Journal of PharmaTech Research, 2014; 4(2)
57. Physiocochemical and Phytochemical Investigation of the Roots of *Lansea coromandelica* (Houtt.) Merr. Arun Joshi¹*, Nikita Naik¹. American Journal of Pharmacy and Health Research, 2014; 2(2)
58. Physicochemical and phytochemical investigation of the roots of *Aphanamixis polystachya* (wall.) R.N. Parker, Arun B. Joshi*, Divyata D. Mayenkar. International Journal of Pharmacy. Photon 105, 389-397.
59. Physicochemical and Phytochemical Investigation of the Roots of *Hydnocarpus pentandrus* (Buch.-Ham.) Oken. *Joshi Arun B, Harijan Kiran C. International Journal of Pharmaceutical Sciences Review and Research. 25(1), Mar – Apr 2014; Article No. 44, Pages: 260-265.

60. Physicochemical and phytochemical investigation of the roots of *terminalia paniculata* roth. Arun B. Joshi* , Anjusha C. Kadekar. International Journal of Drug Formulation And Research, IJDFR volume 5 Issue 1 Jan-Feb 2014, pp 30-46.
61. Antibacterial and Antifungal Activity of Roots of *Wattakaka Volubilis*. S.Yogita, A.Prachi, J.Arun and B.Maya. GLOBAL JOURNAL OF PHARMACOLOGY 7(3):283-287, 2013.
62. Antimicrobial activity of methanolic extract of the rhizomes of *Costus igneus*. Yogita Sardesai, Gauri Pai Angle, Arun Joshi, Sonia Carvalho, Maya Bhobe. JOURNAL OF PHARMACEUTICAL AND BIOLOGICAL SCIENCES, ISSN : 2348-7658, SEP-NOV 2014; 2(3):176-185.

Interests and Activities:

- Interested in phytochemical work and screening of isolated compounds.
- Herbal Formulations.

Merbership:

- Member of Indian Pharmaceutical Association (IPA)
- Member of Association of Pharmaceutical Teachers of India (APTI)
- Indian Council of Chemist (ICC)
