


Curriculum Vitae

Full Name:	Prof. AJAY GAJANAN NAMDEO			
Designation	Professor and Head			
Department:	Department of Pharmaceutical Sciences			
Campus:	Srinagar/Chauras			
Communication Address	Department of Pharmaceutical Sciences HNB Garhwal University (A Central University), Chauras Campus, P.O. Kilkilleshwar, Via Kirtinagar Distt. Tehri Garhwal, Pin-249161, Uttarakhand			
Mobile:	+91 9834479446			
Email	agnamdeo69@gmail.com			
Educational Qualification:	M. Pharm., Ph.D. Postdoc. M.Sc. (TQM), M.B.A. DIPL			
Postdoc Experience	Six months Department of Biotechnology, Government of India, New Delhi's Biotechnology Overseas Associateship (BTOA) 2007-08 has been completed under Prof. Dr. R. Verpoorte , Head Division of Pharmacognosy, Section Metabolomics, IB, Leiden University, The Netherlands Nov. 08- April 09.			
Teaching Experience	23 Years	Research Experience	09 years Industrial Research	
Research Interest and Fields of Specialization: Herbal Drug Standardization, Medicinal Plant Biotechnology, Phytochemistry, Herbal Cosmetics, Herbal formulation				
ORCHID Id: 0000-0002-8849-090X				
Citations: 2021				
h-index 20				
i10-index 28				
Administrative /Academic committees and responsibilities				
<ol style="list-style-type: none"> 1) Head, Department of Pharmacognosy, Poona College of Pharmacy from July 2014 to January 2021. 2) Member, NAAC and NBA Accreditation team of the college/ University. 3) Management Representative of Poona College of Pharmacy for ISO certification. 4) Member, Board of Studies (BoS), Bharati Vidyapeeth Uni., Sanjay Ghodawat Uni., Kolhapur 5) Approved PG Teacher for Pharmacognosy, Pharmaceutical Biotechnology, Quality Assurance and Technology and PhD Guide 6) Recognized PhD Guide for Pharmacognosy, Pharmaceutical Biotechnology, Quality Assurance and Technology. 				
Research Supervision				
M.Pharm. Thesis:	Guided-36	Ongoing:	02	
PhD Thesis:	04 Awarded	Ongoing:	06	
M.Sc. Thesis:	Guided-06			
Awards/Fellowships				
1) 2005	Best paper award 57 th Indian Pharmaceutical Congress. Hyderabad.			
2) 2007	Biotechnology Overseas Associateship (Postdoc) Department of Biotechnology, Govt. India's Biotechnology Overseas Associateship (Postdoc)			
3) 2007	International Travel Grant by AICTE, New Delhi to present two research papers in Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA) 2007 in Kuala Lumpur, MALAYSIA June 2007.			
4) 2009	International Travel Grant by National Pingtung University of Science and Technology (NPUST), TAIWAN "International Symposium on Innovative Agricultural Biotechnology" on 85 th anniversary celebration of National Pingtung University of Science and Technology (NPUST), TAIWAN.			
5) 2012	Best paper award National Conference on Innovative Research and Development In Pharmaceutical Sciences, 2012, Bharati Vidyapeeth Deemed University, Poona College of Pharmacy, Pune.			

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| 6) 2014 | Second Best poster award Savitribai Phule University, Pune sponsored 3 days National Level Seminar of Structure Elucidation of Bioactive constituents, organized by Sinhgad College of Pharmacy, Lonavala from 5-7 Dec 2014. |
| 7) 2015 | Best paper award 20 th Annual National convention of Association of Pharmaceutical Teachers of India (APTICON 2015) “Strategic approach to strengthen Academic and Industrial Collaboration” held in Indore. |
| 8) 2015 | Third Best paper award 20 th Annual National Convention of Association of Pharmaceutical Teachers of India (APTICON 2015) “Strategic approach to strengthen Academic and Industrial Collaboration” held in Indore. |
| 9) 2016 | Third Best model award KES’s Rajarambapu College of Pharmacy Kasegaon organizes Indian Council of Medical Research (ICMR), New Delhi Sponsored two days national seminar on “Pharmacovigilance and Herbal Therapeutics”. |
| 10) 2017 | Second Best poster award Two days national conference on “Exploring Herbal Domain: Past, Present and future of India on Global Map” organized by Government College of Pharmacy, Aurangabad. |
| 11) 2018 | Second Best paper award International conference on Challenges for Global Competitiveness of Ayush and Natural Products and IASTAM Oration and Award Function, organized by DIPSAR University, New Delhi |

Research Projects:

i) Bharati Vidyapeeth Deemed University (BVDU) Minor Research Project: (Ongoing, Rs. 01.00 Lakhs) As Principal Investigator Biotechnological Strategies for enrichment of Vanillin Production from *Decalepis hamiltonii* *in vitro* cultures funded by Bharati Vidyapeeth deemed to be University, Pune.

ii) Bharati Vidyapeeth Deemed University (BVDU) Minor Research Project: (Ongoing, Rs. 01.00 Lakhs) As Co-Principal Investigator Chromatographic and DNA Fingerprinting of different *Rauvolfia* species by modern standardization techniques

iii) BRNS Project: As Principal Investigator (Completed), Rs. 25.83 Lakhs, 03 yrs Microbial load and stability of some phyto-chemical components of selected Indian medicinal plant materials as affected by Gamma irradiation” funded by Board of Research in Nuclear Sciences (BRNS) Department of Atomic Energy (DAE), Government of India, New Delhi.

iv) UGC Research Project: As Principal Investigator (Completed), Rs. 15.50 Lakhs, 03 Years) "Biotechnological strategies for production of bioactive compounds from cell cultures of *Alpinia* species” funded by the University Grants Commission, Government of India, New Delhi under ‘Major Research Project’ scheme.

v) DBT Research Project: As Principal Investigator (Completed, Rs. 19.62 lakhs, 03 Years) "Biotechnological strategies for camptothecin analogs production from cell cultures of *Nothapodytes foetida*” funded by the Department of Biotechnology, Government of India, New Delhi under ‘Rapid Grant for Young Investigator’ scheme.

vi) AICTE Research Project: As Principal Investigator (Completed, Rs. 10.00 lakhs, 03 Years) “Development of a novel herbal drug from *Nothapodytes nimmoniana* for immunomodulatory activity” Funded by All India Council of Technical Education (AICTE), New Delhi under Research Promotion Scheme (RPS).

Research Papers Published

(Total Publications: 60)

- Ajay G. Namdeo ***, Deepa K. Ingawale, Ashwagandha: Advances in plant biotechnological approaches for propagation and production of bioactive compounds, Journal of Ethnopharmacology 271 (2021) 113709. <https://doi.org/10.1016/j.jep.2020.113709>.
- Deepa S. Mandlik (Ingawale), and **Ajay G. Namdeo** Pharmacological evaluation of Ashwagandha highlighting its healthcare claims, safety, and toxicity aspects, Journal of Dietary Supplements <https://doi.org/10.1080/19390211.2020.1741484>.
- Balaji D. Deshmukh, **Ajay G. Namdeo***, Sudhir Singh, Devanand P. Fulzele, Kakasaheb R. Mahadik, Effect of gamma-irradiation processing on microbial decontamination, bioactive shatavarin IV constituent and shelf life of shatavari (*Asparagus racemosus*) marketed formulations, Radiation Physics and Chemistry 174 (2020) 108896.

- 4) **Ajay G. Namdeo**, Sai H.S. Boddu, Haneen Amawi, Charles R. Ashby Jr Diwakar B. Tukaramrao, Piyush Trivedi, R. Jayachandra Babu and Amit K. Tiwari, Flavonoids as Multi-Target Compounds: A Special Emphasis on their Potential as Chemo-adjuvants in Cancer Therapy, *Current Pharmaceutical Design*, 2020, 26, 1-17.
- 5) Sharad Kharat, **Ajay Namdeo** and Piyush Mehta, "Development and validation of HPTLC method for simultaneous of curcumin and galangin in polyherbal capsule dosage form", *Journal of Taibah University for Science* 123 (2016) 345-348.
- 6) Sabina S. Syed and **Ajay G. Namdeo**, Hepatoprotective effect of leaves of *Erythroxylum monogynum* Roxb. on paracetamol induced toxicity. *Asian Pacific Journal of Tropical Biomedicine* 2013; 3(11):877-881
- 7) **A. G. Namdeo**, Priya T. and B. B. Bhosale, Micropropagation and production of camptothecin form *in vitro* plants of *Ophiorrhiza mungos*. *Asian Pacific J. Trop. Biomedicine* (2012) 1-5.
- 8) **A. G. Namdeo** and A Sharma, HPLC analysis of camptothecin content in various parts of *Nothapodytes foetida* collected on different periods. *Asian Pacific J. Trop. Biomedicine* (2012) 6-8.
- 9) **Ajay G. Namdeo**, Ajay Sharma, Kavita N. Yadav, Rupali Gawande, Kakasaheb R. Mahadik, Maria Pilar Lopez-Gresa, Hye Kyong Kim, Young Hae Choi, and Robert Verpoorte. Metabolic characterization of *Withania somnifera* from different regions of India using NMR spectroscopy. *Planta Medica* 2011; 77: 1958–1964.
- 10) **Namdeo AG.** et. al. HPTLC Densitometric Evaluation of Tissue Culture Extracts of *Nothapodytes foetida* Compared to Conventional Extracts for Camptothecin Content and Antimicrobial Activity. *Planta Med* 2009; 75: 1–7.

Paper Presentation at International seminars and conferences

- 1) Kaumudee Bodas, Chandrakant Bagul, Vaibhav Shinde, **Ajay Namdeo**, "A molecular docking approach to evaluate chronic wound healing potential of a triterpenoid saponin present in roots of *Glycyrrhiza glabra*", in SFEC2021 at Poona College of Pharmacy on Sept 2021.
- 2) Yelne A. G., **Namdeo A. G.** and Shinde V. M., "Plant metabolomics and its applications in various fields", in SFEC 2021 at Poona College of Pharmacy on Sept 2021.
- 3) Mayuri S. Kale, **Dr. Ajay G. Namdeo** "DNA Barcoding for Traditional Medicinal Plants", in SFEC2021 at Poona college of pharmacy on Sept 2021.
- 4) Smruti Mukadam, Shinde V. M., **Namdeo A. G.**, Mahadik K. R., "Review on past and present methods of standardization of herbal drugs", in SFEC2021 at Poona college of pharmacy on Sept 2021.
- 5) **Namdeo A. G.**, "In vitro Production of Withanolides from Hairy root cultures of *Withania somnifera* in low cost protocol", organized by Smriti College of Pharm. Education, Indore, on March 24th, 2018.
- 6) **Namdeo A. G.**, "Advances in Pharmacological Evaluation of Herbal Drugs/Products (O-PEH)" in International Conference on Challenges for Global Competitiveness of AYUSH and Natural Products and IASTAM Oration Award Function 2018, February 2 - 4, 2018.
- 7) **Namdeo A. G.**, 'Nanostructured Materials in Polymers and Pharmaceutical Sciences', PolyTech - 2017: International Conference on 'Nanostructured Materials in Polymers and Pharmaceutical Sciences' organized by Poona College of Pharmacy, Pune on December 19 - 20, 2017.
- 8) **Namdeo A. G.** and K. R. Mahadik 'Low Cost Protocol for Withanolides Production From Hairy Root Cultures of *Withania Somnifera*' in International conference on Challenges for Global Competitiveness of Ayush and Natural Products and IASTAM Oration and Award Function, organized by DIPSAR University, Delhi, Feb 2nd to 4th 2018.
- 9) **Namdeo A. G.**, "Cost Efficient Protocol For Micropropagation of An Important Medicinal Plant: *Alpinia galangal*" in International seminar on Polytech -2017: International conference on Nanostructured Materials in Polymers and Pharmaceutical Sciences, organized by Poona College of pharmacy, Bharati Vidyapeeth Deemed University, Pune, 19th to 20th Dec., 2017.

- 10) **Namdeo A. G.**, “Healthcare in 21st Century: Perspectives of Ethnopharmacology and Medical Plant Research” in 4th International Congress of The Society For Ethnopharmacology, India, Uka Tarsadia University, Bardoli, Gujrat, India, Feb 23-25, 2017.
- 11) **Namdeo A. G.** “Biotechnological investigations on *Withania somnifera*: An important Ayurvedic medicinal plant” in The International Scientific Conference on Ayurveda Ayurveda: A New Way For Healthy Life In Europe, Portorož, Slovenia, March 5–6, 2009.
- 12) Gohiya R., Yadav K., Sharma A., **Namdeo A. G.** and Mahadik K. R. ”Precursor feeding studies on *Hyoscyamus niger* for the production of bioactive compounds” in International Herbal Conference, Bangalore, 26th to 28th Feb., 2009.
- 13) **Namdeo A. G.** “Low cost protocol for *in vitro* studies on Indian Ginseng: *Withania somnifera*” in International seminar on Medicinal Plants and Herbal Products, organized by Sri Venkateshwara University, Tirupati, 7th to 9th March 2008.
- 14) Sharma A., Mann A. S., Jain A., Kharya M. D., **Namdeo A. G.** and Mahadik K.R. “Haematopoietic activity of different fractions of *Boswellia serrata* on cyclophosphamide induced bone marrow suppression” in International seminar on Medicinal Plants and Herbal Products, organized by Sri Venkateshwara University, Tirupati, 7th to 9th March 2008.
- 15) **Namdeo A. G.**, Fulzele D. P., Patil S. and Kadam S. S. Synergistic effect of precursor feeding and elicitation on ajmalicine production from *Catharanthus roseus* cells cultivated in pilot scale bioreactor at Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA) 2007 to be held at Kuala Lumpur, Malaysia 17-21 June 2007.
- 16) **Namdeo A. G.**, Gawali S. and Kadam S. S. Rapid micropropagation of an endangered medicinal plant: *Gymnema sylvestre* at Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA) 2007 to be held at Kuala Lumpur, Malaysia 17-21 June 2007.
- 17) **Namdeo A. G.**, Fulzele DP, Patil S and Kadam S.S. “Effect of agitation speed on ajmalicine accumulation in *C. roseus* cells in pilot scale bioreactor” Poster presented in International conf. on “Plant Genomics and Biotechnology: Challenges & Opportunities” held in Raipur (26-28th OCT. 2005).
- 18) **Namdeo A. G.**, **Kharya M. D.**, and Mahajan S.C. “Low cost protocol for callus initiation from *G. sylvestre* leaves” at International Convention of APTI held in Vishakapatnam on 2nd-3rd Oct. 2004.
- 19) **Namdeo A. G.** and Patil S. “Bioproduction of ajmalicine by *C. roseus* in shake flasks and bioreactor” in Indo-Australian Conf. on Biotechnology in Medicine held in Bangalore from 9th-11th Feb. 2004.

Invited Guest Lectures

Delivered 80+ Guest lectures/Invited talks on various seminars and conferences

Book Published

Medicinal Plant Biotechnology (ISBN No. 978-81-88739-79-0) Publisher: Career Publications, Nasik

Book Chapters

- 1) **Monograph** on *Termanilia bellerica*, in **American Herbal Pharmacopoeia**, ISBN: 1-929425-43-0 ISSN: 1538-0297, © 2018 American Herbal Pharmacopoeia® PO Box 66809, Scotts Valley, CA 95067 USA
- 2) **Ajay G. Namdeo**, Book Chapter on ‘Cultivation of Medicinal and Aromatic Plants’ in ‘Natural Products and Drug Discovery: An integrated approach’, Edited By Subhash C. Mandal, Vivekananda Mandal and Tetsuya Konishi, published by Elsevier, (2018) ISBN: 978-0-08-102081-4, pp-525-551.
- 3) **Ajay G. Namdeo**, **Ajay Sharma**, Kavita N. Yadav and Kakasaheb R. Mahadik. Biotechnological investigation on *Withania somnifera*: an important medicinal plant. Proceedings of Ayurveda; A new way for healthy life in Europe. ISBN 978-961-6328-78-4, 151-159, 2010.
- 4) **Namdeo Ajay Gajanan** and Bandekar Sparsha Suresh, Chapter on 'An Insight into Herb Interactions: Clinical Evidence-Based Overview' in Evidence Based Validation of Traditional Medicines A Comprehensive Approach, Editors Subhash C. Mandal Raja Chakraborty and Saikat Sen, 978-981-15-

- 5) Deepa S. Mandlik and **Ajay G. Namdeo**, Chapter on 'Immunomodulators and Phytodrugs' in Evidence Based Validation of Traditional Medicines A Comprehensive Approach, Editors Subhash C. Mandal Raja Chakraborty and Saikat Sen, 978-981-15-8127-4, Springer Nature Singapore Pte Ltd. 2021, https://doi.org/10.1007/978-981-15-8127-4_42, 2021, page 901-920.

Advanced Trainings/ Courses Attended

- 1) Interactive Lecture series on "Technological interventions to standardize the indigenous system of medicine in India" organized by the **Center for Continuing Education (CCE) at the Department Biotechnology, Indian Institute of Technology Madras** between June 20- 25 2022.
- 2) Ātmanirbhara Bhārata: India in the 21st Century, Bhāratīya Jñāna Paramparā Faculty Development Programme 2021, **UGC-HRDC Sponsored Faculty Development Program 2021** India's Knowledge Systems (IKS): Sources, Theories, Concepts and Practices 16 Nov. - 7 December, 2021.
- 3) **ATAL FDP** on "Translating Pharmacognosy Knowledge into Health Care Systems" from 23/11/2021 to 27/11/2021 at KLE College of Pharmacy Hubli.
- 4) **ATAL FDP** on "Effective Course Delivery Through Moodle" from 13/09/2021 to 17/09/2021 at MES COLLEGE MARAMPALLY.
- 5) **Two-week QIP** "New Horizons in Quality Management Systems: Academic & Industry Perspectives" 7th to 19th December, 2020, organized by Poona College of Pharmacy, Pune.
- 6) **Two-week QIP** on "Exploring Indigenous knowledge for modern Lifestyle Disorders" 23rd Nov. to 5th Dec. 2020 organized by Bharati Vidyapeeth University, Poona College of Pharmacy, Pune.
- 7) **Two-week QIP** on "Emerging Trends Phytotherapeutics 4th to 16th February 2019, organized by Bharati Vidyapeeth University, Poona College of Pharmacy, Pune.
- 8) **One month DHR Winter School Training Program** in Traditional Medicine and Integrative Health from 15th November to 14th December 2018, Supported by Department of Health Research, Ministry of Health and Family Welfare, Government of India Organized by Interdisciplinary School of Health Sciences Savitribai Phule Pune University, Pune.
- 9) **Two-week QIP** on "Clinical Pharmacy : Skill Development and Training" organized by Bharati Vidyapeeth University Poona College of Pharmacy, 1st to 13th February 2017.
- 10) **Two-week QIP** on "Emerging Trends Phytotherapeutics 4th to 16th February 2019, organized by Bharati Vidyapeeth University, Poona College of Pharmacy, Pune.
- 11) **Two-week QIP** on "Emerging Trends in Pharmacological Research: Convergence of Molecular Targets" 19th to 31st Dec. 2016, organized by Poona College of Pharmacy, Pune.
- 12) **Two-week QIP** on "Teaching Methodology for Pharmacy Teachers" 15th to 27th Feb. 2016, organized by Bharati Vidyapeeth University, Poona College of Pharmacy, Pune.
- 13) **Two-week QIP** on Drug Regulatory Affairs: Changing Scenario, 15th Dec to 27th Dec. 2014, organized by Bharati Vidyapeeth University, Poona College of Pharmacy, Pune.
- 14) **Two days workshop** cum hands on training on Extraction and Isolation of Phytoconstituents from Medicinal Plants/Herbs/ Botanicals 19th and 20th July 2014 organized by Total Herb Solutions Laboratory, Mumbai.
- 15) **Two-week QIP** on "Enhancement of teaching and learning skills in Pharmaceutical Chemistry through problem solving approach 9th Dec 2013 to 21st Dec. 2013.
- 16) **Two-week QIP** on "Issues related to drug discovery" 18th Nov. to 30th Nov. 2013 organized by Bharati Vidyapeeth University, Poona College of Pharmacy, Pune.
- 17) **Two-week QIP** on "QIP on Recent Advances in pharmaceutical formulation technology, 30th Sep-12th Oct 2013 organized by Poona College of Pharmacy, Pune.
- 18) **Two-week QIP** on "Global Regulatory Affairs- A perspective" 18th Dec to 29th Dec 2012 organized by Bharati Vidyapeeth University, Poona College of Pharmacy, Pune.
- 19) **Two-week short term Training Program sponsored by State Biotechnology Board, Uttarakhand** on "Bioinformatics Tools & its applications" from 16th July to 28th July 2012,

organized by Department of Computer Science and Engineering, Bipin Tripathi Kumaon Institute of Technology, Dwarahat, Dist. Almora.

- 20) **Two-week QIP** on “Role of natural products in drug discovery and development” from 14thNov. to 26thNov, 2011, organized by Poona College of Pharmacy, Pune.
- 21) **Two-week QIP** on “Current Trends in Pharmaceutical Biotechnology” from 31stJan. to 12thFeb., 11, organized by Poona College of Pharmacy, Pune.
- 22) **Two-week QIP** on “Advances in Quality Control and Quality Assurance Techniques” from 1thFeb. to 13thFeb., 10, organized by Poona College of Pharmacy, Pune.
- 23) Attended a National workshop on “**Developing Quality Monograph for Herbal Pharmacopoeia for Herbs and Herbal Products**” at DIPSAR, New Delhi on 27th-28thNovember 2009.
- 24) Attended a Short Course on “**Yeast Molecular Biology & Biochemical Analysis**” (23rd-27thJuly, 2009), organized by Dept. of Biotechnology & Bioinformatics Jaypee University of Information Technology, Waknaghat, H.P., in association with the Institute for Molecular Sciences Frankfurt University, Germany.
- 25) **One-week** workshop on “**Metabolomics**” from 19th-23rdJanuary 2009, organized by Section Metabolomics, Department of Pharmacognosy, Leiden, The Netherlands.
- 26) **Two-week QIP** on “Advances in Chromatographic Techniques” from 18thFeb to 1stMar 08, organized by Poona College of Pharmacy, Pune.
- 27) **Two-week QIP** on “Recent Advancements in Herbal Drug Research” from 14thMar. to 26thMar. 05 organized by JSS College of Pharmacy, Ootacamund.
- 28) **Three weeks UGC sponsored Refreshers Course** on ‘Recent Trends in Drugs and Pharmaceuticals’ organized by Jadhavpur University, Kolkata, September 2002.
- 29) Intensive training of **6 months** in Biotechnology division of Bhabha Atomic Research Centre (**BARC**), Mumbai.

Global Experience

- 1) National Pingtung University of Science and Technology (NPUST), **TAIWAN** has invited to deliver a lecture on “Metabolomics of *Withania somnifera* and its hairy root cultures” in an “International Symposium on Innovative Agricultural Biotechnology” on Oct. 5th -9th, 2009.
- 2) Six months Department of Biotechnology, India’s Biotechnology Overseas Associateship (Postdoc) under **Prof. Dr. R. Verpoorte**, Leiden University, Leiden, **THE NETHERLANDS**. (Nov 2008-May 2009).
- 3) Presented Paper in The International Scientific Conference on Ayurveda AYURVEDA: A NEW WAYFOR HEALTHY LIFE IN EUROPE, Portorož, **SLOVENIA**, March 5–6, 2009.
- 4) Two research papers presented in Asia Pacific Conference on Plant Tissue Culture and Agribiotechnology (APaCPA) 2007 in Kuala Lumpur, **MALAYSIA** June 2007.
- 5) Visited some laboratories in **SINGAPORE** June 2007.
- 6) Visited Prof. Dr. Wolfgang Kreis, Friedrich-Alexander Universtat Erlangen, **GERMANY** and worked on Enzyme isolation technology, Oct - Nov. 1997.
- 7) Visited Prochrom, **FRANCE** for downstream processing related to Supercritical Fluid Extraction Technology (SCFE), Oct - Nov. 1997.
- 8) Visited some tissue culture laboratories in **FRANCE, GERMANY, THE NETHERLANDS, ITALY** and **ROME** for understanding micro propagation and Hardening of medicinal plants, Oct - Nov. 1997.

Life Memberships of Learned Societies

- 1) Indian Pharmaceutical Association (IPA) No. LM/MP/015
- 2) Association of Pharmaceutical Teachers of India (APTI) No. LM/MP/035
- 3) Indian Society of Pharmacognosy (ISP) No. ISP/LM-MP/N-014.
- 4) Life Member of Bioinformatics Institute of India, (BII) No.1241

- 5) Indian Society of Technical Education (ISTE) No. 467285
- 6) Society of Ethnopharmacology Indian (SFE/14/I-358.
- 7) Life member of Association of Pharmacy Professionals (APP/ MH/LM-021H/13).
- 8) Registered Pharmacist of M. P. State Pharmacy Council, Bhopal. Registration No. 34047
dated 15/10