

CURRICULUM VITAE

Dr. AJAY KUMAR SHUKLA (Research Gate score 12.01)

BSc, M. Pharm, Ph.D. (Pharmaceutical Chemistry), GPAT qualified 2010 and 2016.

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Qualification	Institution / University / Board	YEAR
Ph.D. (Pharmaceutical Sciences)	Department of Pharmaceutical Sciences, Mohanlal Sukhadia University, Udaipur	2019
Master of Pharmacy (Pharm. Chemistry)	NRI Institute of Pharmacy RGPV University, Bhopal, M.P.	2011
Bachelor of Pharmacy	GRKIST College of Pharmacy Jabalpur	2007
Bachelor of Science	Govt. College Waidhan Singrauli, M.P.	2003

Ph.D. Research topic:

- Formulation and Evaluation of Sustained Release Drug Delivery System for Antihypertensive Drugs

M. Pharm Dissertation topic:

- Phytochemical and Pharmacological Evaluation of Anti-asthmatic Activity of *Achyranthes aspera* Plant.

Research Areas of Interest:

- Phytochemical Isolation, Formulation, Evaluation and Research and Development of Herbals Products.

Work Experience:

- Working as Assistant professor at Department of Pharmaceutical Chemistry at ITM College of Pharmacy, GIDA Gorakhpur (U.P.) from 2/08/2019 to till date.
- Working as Assistant professor at Department of Pharmaceutical Chemistry at Guru Ramdas Khalsa Institute of Pharmacy Jabalpur (M.P.) from 12/03/2012 to 31/07/2019.
- Worked as Lecturer, Department of Pharmaceutical Chemistry at Gulab Kali Memoria College of Pharmacy Rewa (M.P.) from 01/07/2007 to 30/06/2008.
- Worked as Lecturer, Department of Pharmaceutical Chemistry at Adina Institute College of Pharmacy Sagar (M.P.) from 08/08/2008 to 30/06/2009.
- Worked as Assistant Production Technologist in Amir-chem Pvt. Ltd at Pithampura Indore M.P. from 28/11/011 to 10/03/012

Scientific and Professional Membership:

- Regular membership of International Chemical Biology Society
- Life-time membership of Association of Pharmacy Professional
- Life-time membership of Rajasthan Science Congress (Vaigyanik Drishtikon)
- Editorial board member of Asian Journal of Pharmacy and Pharmacology
- Editorial board member of Advanced Pharmaceutics Journal
- Editorial board member of Journal of Pharmaceutical and Applied medical Sciences

Personal Profile:

Nationality : Indian
Date of Birth : 10 July. 1981
Father's Name : Paras Nath Shukla
Marital status : Married
Languages known : Hindi, English, Regional
Permanent address : C/O Mr. Dr. BP Shukla, Village. Dangipar, Post office
Bhaisa bazaar, Police Thana Khajani, Gorakhpur (UP),
273212

References:

1. Dr. C.P. Jain

Professor & H.O.D. Dept. of Pharmaceutics)
Department of Pharmaceutical Sciences,
Mohan Lal Sukhadia University, Udaipur
Mob. - 09414684354

2. Dr. Awesh Kumar Yadav

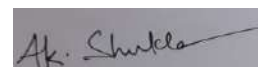
Associate Professor
NIPER (Raibareli) U.P.
Department of Pharmaceutical Sciences
Mo. - 09630451369

Declaration:

I hereby declare that all statements made herein are true & complete to the best of my knowledge & belief.

Date – 14/07/2021

Place - Gorakhpur



Applicant Signature

Publications:

Book:

- Text book on role of vitamin and immune response: an overview. Kindle publishing, 2021; ISBN-9798537522980.
- Dr. Rajesh Shukla, Ajay Kumar Shukla, Instrumental Methods of Analysis (As per regulation of PCI B. Pharmacy final year, Nirali Prakashan 2021.
- Book chapter published entitled "Advanced drug delivery systems in blood cancer", Publisher Elsevier, 2021.
- Dr. Ajay Kumar Shukla, Dr. Sant Ram Lodhi, Dr. Mohan Lal Kori. **Dietary supplements and nutraceuticals**. P. V. publication Punjab. Edition-1; 2020. ISBN: 97815-43344-70-7.
- Quality assurance Himalaya Publishing House, 2019; ISBN: 978-93-5299-779-4.
- Evaluation of anti-acne and thrombolytic activity of *Sarco stemma* plant LAP Lambert Academic publishing, 2020; ISBN: 978-620-2-56547-9.
- Text book on good manufacturing practices in industry. Kindle publishing, 2020; ISBN-13: 979-8672569789.
- Text book on pharmaceutical inorganic chemistry. Kindle publishing, 2020; ISBN-13: 979-8691622595.
- Text book on status of drug scientist and their profession in India. LAP Lambert Academic publishing, 2020; ISBN: 13: 978-613-9-82033-7.
- Antioxidant potential of herbs: the state of the art LAP Lambert Academic publishing, 2018; ISBN: 978-613-9-89051-4.
- Phytochemical and Pharmacological Evaluation of *Achyranthes aspera* LAP Lambert Academic publishing, 2012; ISBN: 978-3-659-13380.
- I have completed the on line analytical chemistry certificate course of NPTEL, conducted by Indian Institute of Technology Kharagpur duration of course September-December 2020.

Qualified in national level pharmaceutical talent search exam (NLPTSE) 2011

Qualified in Graduate Pharmacy Competitive Aptitude Exam (GPAT) 2010, and 2016 respectively

Research Articles:

1. Development and optimization of drug-loaded nanoemulsion system by phase inversion temperature (PIT) method using Box-Behnken design. Drug Development and Industrial Pharmacy 2021; 19/07/2021. (Tylor-Francis/Informa Pharmaceutical Science, impact factor 3.795).
2. Design, Characterization and evaluation of curcumin-loaded mesoporous silica-Nanoparticles based topical drug delivery system for treatment of wrinkles. Journal of Medical P'ceutical & Allied Sciences, V 10-I 3, 1168, May-June 2021, P-2904-2915.(Scopus)
3. Bioavailability Enhancement and Dissolution Rate of Poor Water Soluble Drug by Solid Dispersion Technique. Indian Journal of Novel Drug Delivery 2020; 12(4):201-207

4. Isolation and Characterization of Tamarind Seed Gum as Pharmaceutical Excipient. International Journal of Health and Clinical Research 2020; 3(2):49-57.
5. Applications, isolation and characterization of fenugreek seed gum as pharmaceutical excipient. Journal of Medical Pharmaceutical and Allied Sciences 2020; 9(2):2484-2491.
6. Preliminary phytochemical study and antibacterial activity of Tamarindus indica leaves. Advance Pharmaceutical Journal 2019; 4(5):121-124.
7. Comparative investigation on anthelmintic activities of Azadirachta indica and Areca catechu leaves. Advance Pharmaceutical Journal. 2019; 4(5):125-127
8. Isolation and characterization of natural and modified seed gum. Asian Journal of Pharmacy and Pharmacology 2019; 5(2): 409-418.
9. Investigations on Drosera regia and Schleicheria oleosa leaves for anthelmintic activity. Advance Pharmaceutical Journal 2019; 4(4): 97-99.
10. Formulation, optimization and evaluation of buccal films of Diclofenac Sodium. Advance Pharmaceutical Journal 2019; 4(4):103-107.
11. Investigations on Drosera regia and Schleicheria oleosa leaves for anthelmintic activity. Advance Pharmaceutical Journal 2019; 4(4): 97-99.
12. Formulation development and evaluation of Transfersosomal drug delivery for effective treatment of acne. Advance Pharmaceutical Journal 2019; 4(1):26-34.
13. Development of Natural Gum Based Sustained Release Tablets of Propranolol hydrochloride. Research J. Pharm. and Tech 2019; 12(7): 3295-3300. Scopus
14. Development of natural and modified gum based sustained-release film-coated tablets containing poorly water-soluble drug. Asian J Pharm Clin Res 2019; 12(3):266-271. Scopus
15. Comparative fingerprint and extraction yield of *Prosopis cineraria* (Lin.) Druce. Leaves with phenolic compounds (Gallic acid) & flavonoids (Rutin). Journal of Drug Delivery & Therapeutics 2019; 9(3):560-568. UGC approved journal
16. Assessment of anthelmintic and in vitro H⁺ -K⁺ ATPase inhibitory potential of hydroalcoholic extract of *Achyranthes aspera* Linn. Advance Pharmaceutical Journal 2019; 4(2):61-65.
17. Effect of polymers on the physicochemical and drug release properties of transdermal patches of atenolol. International Journal of Applied Pharmaceutics 2018; 10(4):68-73. Scopus
18. Development of UV spectrophotometric method for the determination of benidipine hydrochloride by using quality by design (QbD) approach. International Journal of Applied Pharmaceutics 2018; 10(4):92-97. Scopus
19. Development and validation of novel HPLC method for the estimation of Rutin in crude hydromethanolic leaf extract of *Prosopis cineraria*. Journal of Drug Delivery & Therapeutics 2018; 8(6):68-73.

20. Hypoglycemic and hypolipidemic effects of ethanolic and aqueous extracts from *Ziziphus oenoplia* (L) Mill on alloxan-induced diabetic rats. Beni-Suef University Journal of Basic and Applied Sciences. 2017;(6): 1-9. **Science Direct** UGC approved journal
21. Formulation and characterization of aceclofenac dispersible tablet. Asian Journal of Biomaterial Research 2017; 4(1):26-33. UGC approved journal
22. Herbal Shampoo of *Zizyphus oenoplia* (L) Mill from Ethanol Extract of Leaves Inventi Rapid: Cosmeceuticals 2016; 1:50-55. UGC approved journal
23. Investigations on flowers extract for anthelmintic *Calliandra haematocephala* in-vitro activity Advance Pharmaceutical Journal 2016; 1(1): 17-20
24. Development and evaluation of metronidazole injection by mixed solvency approach Asian Journal of Biomaterial Research 2016; 2(1):38-45, UGC approved journal
25. Evaluation of inhibition effect of alcoholic extract from *Bambusa vulgaris* leaves on calciumoxalate crystallization: In-vitro study Asian Journal of Biomaterial Research 2016; 2(3): 91-94, UGC approved journal
26. Herbal Nanotherapeutics: A noval approach for herbal drug delivery system Journal of Medical Pharmaceutical and Allied Sciences 2016;1-10
27. Investigations on hydroalcoholic extract of *Zizyphus oenoplis* for analgesic and anti-nociceptive activity Asian Journal of Pharmacy and Pharmacology 2016;2(1):15-18, UGC approved journal
28. Preliminary phytochemical and physicochemical Investigation and thin layer chromatography of *Butea monosperma* flower extract Journal of Medical Pharmaceutical and Allied Sciences 2016;1-10
29. Synthesis and Characterization of PASA Silver Nanoparticle of Ginger Rhizome (*Zingiber officinale*) Extract: Synthesis, Characterization and Anti Diabetic Activity in Streptozotocin Induced Diabetic rats European Journal of Biomedical and Pharmaceutical sciences 2016; 3(7):605-611, UGC approved journal
30. Evaluation of anthelmintic and antimicrobial activity of Ursolic acid obtained from Tulsi *Ocimum sanctum* leaves Asian Journal of Pharmacy and Pharmacology 2016;2(3):67-71, UGC approved journal
31. Inhibitory effect of alcoholic extract of Tulsi on calcium oxalate *Ocimum sanctum* crystals: An study Asian Journal of Pharmacy and Pharmacology 2016;3 (2):77-80, UGC approved journal
32. Investigations for anti-urolithiatic activity of roots against *Tephrosia purpurea* ethylene glycol-induced renal calculi in rats Asian Journal of Pharmacy and Pharmacology 2016;2(2):40-43, UGC approved journal
33. Evaluation of anthelmintic and antimicrobial activity of Ursolic acid obtained from *Ocimum sanctum* Asian Journal of Pharmacy and Pharmacology 2016; 2 (3):67-71, UGC approved journal
34. In-vitro evaluation of Antiasthmatic activity of *Achyranthes aspera* aerial parts Asian Journal of Pharmacy and Pharmacology 2016; 2(5): 128-131, UGC approved journal

35. In vitro H⁻K ATPase inhibitory potential of methanolic extract of *Carissa carandas* Linn. Leaves Asian Journal of Pharmacy and Pharmacology 2016; 2(5): 132-135, UGC approved journal
36. Design and characterization of Gaur gum coated chitosan nanoparticles for delivery of 5-Fluorouracil for effective treatment of colon cancer Journal of Medical Pharmaceutical and Allied Sciences 2015;28-45
37. Formulation and Comparative Evaluation of Herbal Shampoo With Marketed Products, Mintage Journal of Pharmaceutical & Medical Sciences 2015;4(3):4-7
38. Analgesic and anti-nociceptive activity of hydroethanolic extract of *Capparis deciduas* Linn. Asian Journal of Pharmacy and Pharmacology 2015; 1(1):40-44, UGC approved journal
39. Herbal formulation of *Cocos nucifera* L. for treatment of eczematous infections: An in vitro study Asian Journal of Pharmacy and Pharmacology 2015; 1(1):16-20, UGC approved journal
40. Preliminary phytochemical analysis and in vitro anti-helminthic activity of *Martynia annua* Linn and *Permotrema reticulatum* Asian Journal of Biomaterial Research 2015; 1(2):72-74, UGC approved journal
41. Isolation and Characterization of the Ethanolic Extract of *Zizyphus xylophus* (Raz) Wild, Journal of Medical Pharmaceutical and Allied Sciences 2014;3(03): 22-31
42. In-Vitro Antioxidant Activity of *Garcinia cambogia* Fruits, Journal of Medical Pharmaceutical and Allied Sciences 2014;3(01):67-73
43. Hepatoprotective Activity of Leaves Extract of *Carrisa crandas* Lin, Indo American Journal of Pharmaceutical Research 2014;4(11):5185-5192 UGC approved journal
44. Comparative Study of Microwave Assisted With Conventional Extract of Calcium Sennasoids From Senna Leaf, Research Journal of Pharmaceutical Biological and Chemical Science 2013;04(03):103-109. Scopus UGC approved journal
45. Physicochemical & Antibacterial Evaluation of Hydro-Alcoholic Flower Extract of *Butea monosperma* Lam Inventi, Rapid; Plant Activa 2013 ;(02):1-2. UGC approved journal
46. Formulation and Evaluation of Herbal Effervescent Granules Incorporated with *Calliandra hemocephala* Leave Extract, Indo American Journal of Pharmaceutical Research 2013; 3(6):4366-4371. UGC approved journal
47. Formulation and Evaluation of Herbal Effervescent Granules Incorporated with *Martynia annua* Extract, Journal of Drug Discovery and Therapeutics 2013;1(5):54-57. UGC approved journal
48. Development of Quality Control Parameter of Henna Powder, International Journal Pharmaceutical Science Review and Research 2013;21(01):293-295 UGC approved journal
49. Investigation of In-vitro Anthelmintic Activity of *Ficus elastica* Leaves, Journal of Drug Discovery and Therapeutics 2013; 01(05):01-03. UGC approved journal
50. Isolation of Characterization of Hesperidine From Orange Peel, Indo American Journal of Pharmaceutical Research 2013;3(05):3892-3897 UGC approved journal

51. Evaluation of Anti-Inflammatory Activity of Synthesized Novel Acridone Derivatives, Journal of Medical Pharmaceutical and Allied Sciences 2013;(04):11-18
52. Plant Extract As Acid Base Indicator: An Overview, Inventi Impact: Planta Activa 2013;(03):1-3
53. Physicochemical & Antibacterial Evaluation of Hydro-alcoholic Flower Extract of *Butea monosperma* Lam. Inventi Rapid: Planta Activa 2013 ;(2):65-75. UGC approved journal
54. Pharmacognostical and Phytochemical Studies on *Achyranthes aspera*, International Journal of Biomedical and Advanced Research 2012;01(04):1316-1331

Review Articles:

1. Psychological distress in healthcare workers during covid-19 pandemic. Journal of Medical Pharmaceutical and Allied Sciences 2021; 10:2644-2652.
2. Formulation and characterization of polymeric nanoparticles for effective tumor targeting strategies. Journal of Advanced Scientific Research 2020; 11 (4) 8: 69-76.
3. Metallic-nano-particles: encapsulated-form of bioactive compounds, types of carriers, advantages, toxicity, future prospects and their role in the treatment of acne disease. Journal of Advanced Scientific Research 2020; 11 (4) 8: 01-07.
4. Plant metabolites and their role in health benefits: A brief review. Advance Pharmaceutical Journal 2020; 5(2):47-53.
5. Advancement and development of floating drug delivery: An overview. Advance Pharmaceutical Journal 2020; 5(4):149-157.
6. Techniques for Formulation of Nanoemulsion Drug Delivery System: A Review. Prev. Nutr. Food Sci. 2019; 24(3):225-234. Pubmed UGC approved journal. A review on Nano-therapeutic drug delivery carriers for effective wound treatment Strategies. Asian Journal of Pharmacy and Pharmacology 2018; 4(2): 90-101 UGC approved journal
7. Applications of tamarind seed polysaccharide-based copolymers in controlled drug delivery: An overview. Asian Journal of Pharmacy and Pharmacology 2018; 4(1): 23-30 UGC approved journal
8. Microspheres as suitable drug carrier in sustained release drug delivery: An overview. Asian Journal of Pharmacy and Pharmacology 2018; 4(2): 102-108. UGC approved journal
9. Applications of natural polymers in mucoadhesive drug delivery: An overview. Advance Pharmaceutical Journal 2018; 3(2): 38-42.
10. Concise report on Standardization of herbal drugs and its products. Advance Pharmaceutical Journal 2018; 3(3):83-89.
11. Review on antioxidant evaluation methods: In- vitro and in-vivo models. Asian Journal of Pharmacy and Pharmacology 2018; 4(2): 147-154 UGC approved journal.
12. A Review Article on “Application of fenugreek seed gum: In novel drug delivery”. Asian Journal of Biomaterial Research (ISSN: 2455-3212). 2017; 3(6):1-10 UGC approved journal

13. A Review Article on “Biopharmaceutical classification system: Tool based prediction for drug dosage formulation”. Advance Pharmaceutical Journal (ISSN: 2456-1436). 2017; 2(6): 204-209
14. Dosage from design of sustained release drug delivery systems: An overview. Asian Journal of Biomaterial Research 2017; 4(3):1-7.
15. *Zizyphus oenoplia* Mill: A review on Pharmacological aspects Advance Pharmaceutical Journal 2016; 1(1): 8-12
16. Impurity Profile Study: Quality Control tool for Pharmaceuticals Asian Journal of Biomaterial Research 2016; 2(3): 88-90, UGC approved journal
17. Application of Hydrotropic Agents in Herbal Extraction: Review Asian Journal of Biomaterial Research 2016; 2(3): 84-87, UGC approved journal
18. A review on treatment and management of neuropathic pain with herbal folk drugs Asian Journal of Pharmacy and Pharmacology 2016; 2(5):104-110, UGC approved journal
19. Carpesterol- A novel phytosterol obtained from the plants of the family solanaceae with evaluation of antineoplastic activity Journal of Medical Pharmaceutical and Allied Sciences 2016;1-10.
20. Application of Microsponge technique in topical Drug Delivery System. Asian Journal of Biomaterial Research 2016; 2(4): 120-126.
21. An incredible diagnostic tool Quantum Dots: A review Asian Journal of Biomaterial Research 2015; 1(2):46-50, UGC approved journal
22. Review Articles On Nanotechnology In Diabetes: An Overview, Journal of Medical Pharmaceutical and Allied Sciences 2014;3 (01):34-45
23. A Review on *Carissa carandas* Magical Herb, Inventi Rapid: Plant Activa Journal 2013. UGC approved journal
24. Review article Herbosomes: A Current Concept of Herbal Drug Technology An Overview, Journal of Medical Pharmaceutical and Allied Sciences 2012;(01):39-56
25. Review Article Ultra-Resilient Nano Vascular Systems: As a Novel Tool in Successful Transdermal Drug Delivery, Journal of Medical Pharmaceutical and Allied Sciences 2012;(01):1-17
26. A Review “Herbal Remedies on Anti Diabetic Drugs, International Journal Biomedical and Advanced Research 2011;02(01):57-68
27. A Review on A Significance of Microwave Assist Technique in Green Chemistry, International Journals of Pharmaceutical Chemistry 2011;2(2):39-50 UGC approved journal
28. A Review on Anti Asthmatics - Herbal Folk Drugs: An Overview, Inventi Plant Active 2011; 4:1-5 UGC approved journal
29. (C.A.D.D.) A New Modern Software Based Approach in Drug Design and Discovery, International Journals of Pharmaceutical Chemistry 2011 ;(1):10-20. UGC approved journal

30. A Review on *Achyranthes aspera* linn. (chirchira): A Magic Herb in Folk Medicine, International Journal Biomedical and Advanced Research 2011;02(06):228-240
31. The Magic Remedy of *Moringa olifera* An Overview, International Journal of Biomedical And Advanced Research 2011;02(05):215-227
32. Review articles on of Antioxidant Herbal Folk Drugs An Overview, International Journal of Biomedical and Advanced Research 2011;02(01):57-68.

Conferences/Workshops:

International level:

1. Attended an International conference Webinar held 22 October 2020 organized by CARE College of Pharmacy" on them pharmaceutical sciences Certificate ID: ZRWCE4-CE000131
2. Attended national webinar on "National Education Policy: Features and prospects in higher education" (September 14, 2020) organized by Department of Chemistry, Dr. Harisingh Gour University in collaboration with Bharatiya Shikshan Mandal, Mahakoshal Praant on September 14, 2020.
3. Attended national webinar on E-Attended national webinar on DNA Nano-structured based vectors for drug delivery; opportunities and challenges organized by Adina Institute of pharmaceutical Sciences Sagar M.P. held on 19 Sep 2020.
4. Attended an international webinar on "guidance to write a scientific paper & Importance of citation & referencing of publications" on 19th June, 2020 organized by Chebrolu Hanumaiah 5. Institute of Pharmaceutical Sciences, Guntur in Association with Indian Pharmaceutical Association, Education Division.
6. Attended an international conference on covid-19 global impacts held on 22-21 July organized by African British Journals.
7. Attended "Orientation on Graduate Pharmacy Aptitude Test (GPAT) and Career Prospective in Pharmacy Profession" held on 29th August, 2020 organized by Nirmala College of Pharmacy, Mangalagiri, Andhra Pradesh, India.
8. Attended an international web conference, held on 2-3 May 2020 challenges and opportunities for pharmacist in the present epidemic covid-19; organized by registered pharmacist in association of Devine international pharmacy, Gwalior, M.P.
9. Attended an International Webinar on the topic "Photonics Revolution" delivered by "Prof. Anurag Sharma, IIT Delhi" on August 12, 2020 organized by Raj Kumar Goel Institute of Technology, Ghaziabad, Uttar Pradesh, India.
10. Presented a poster in 12th Indo-African International Conference on "Trends, Challenges and Future Scenario of Pharmaceutical Sciences" (TCFSPS-2018), organized by Arya College of Pharmacy, Jaipur in collaborations with Association of Pharmacy Professionals and APP Ethiopian

International Branch, APP Drug Design and MedChem Division, on the topic “isolation and characterization of fenugreek gum as sustained release excipient” held on 6th march 2018.

11. Presented a poster on topic Isolation and characterization of tamarind seed gum as pharmaceutical excipient” in International congress on “Plant based natural products: phytocosmetics, phytotherapeutics and phytonutraceuticals” held at Mohanlal sukhadia university, Udaipur, Rajasthan, India from February 19-21, 2018

12. Presented a poster topic on herbal formulation of *Cocos nucifera*. For treatment of eczematic infections to be held on 27-28 Feb. 2016 at Sri Aurobindo Institute of Pharmacy Indore.

13. Presented a poster topic on “Hepatoprotective activity of leaves extract of *Carrisa carandas* linn to be held on 10-11/10/15 in Pharmaceutical and health Sciences (INNOPHARM1) organised by Innovare Academic Sciences at M.P. Council of science and Technology Bhopal (M.P.)

14. Presented a poster topic on Current sustained release drug delivery systems on Current Edge Technology in new drug discovery and drug delivery systems to be held on 11-12/10/14 at Columbia Pharmacy College Raipur.

15. Attended one day International Workshop attended on recent developments in Computer aided drug design and computational biology held on 10/5/ 2012 at R.G.P.V. University Bhopal

16. Presented a poster topic on “Antioxidant and anti-inflammatory activity of ethanol extract of *Rubia cordifolia* roots” in held on 25-27/11/2010 Mohanlal Sukhadia University, Udaipur (Raj.).

National Level:

1. Presented an Oral paper on topic “evaluation of modified and unmodified natural gum: as sustained release film coating material Department of science and technology (DST), Rajasthan sponsored one day National seminar on “Industrial advancement and academic research: A correlation” held at Department of pharmaceutical sciences, Mohanlal sukhadia university, Udaipur, Rajasthan, India on 20th March, 2018.
2. Attended the Faculty Development Program for “Promotion of Entrepreneurship Amongst Students” from 06th to 18th November, 2017, organised by Entrepreneurship development cell, Department of Geology, Mohanlal Sukhadia University, Udaipur, Rajasthan.
3. Attended the Faculty Development Program for “one week FDP on techniques for material characterization” from 20th to 24th November, 2017, organized under TEQIP phase-3, School of Nanotechnology, Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, Madhya Pradesh.
4. Presented National Poster on “Comparative study of microwave assisted with conventional extraction of calcium sennosides from senna leaf” held on 1/3/2015 at Department of Pharmaceutical sciences H. S. Gour Central University (Sagar).
5. Presented National Poster on “Hepatoprotective activity of *Carrisa carandas* linn” held on 13-14/3/2015 at VNS Group of institutions Bhopal M.P.

6. Presented National Poster on “Comparative study of microwave assisted conventional extraction of calcium sennosides from senna leaf, held on at Rishraj College of Pharmacy Indore in 27//2014
7. Presented National Poster on ‘Novel sustained release drug delivery systems’ MPSCT sponsored national seminar “on Novel drug delivery strategies a changing and challenging global scenario” held on 15/2014 at Guru Ramdas Khalsa Inst. of Science. & /Technology, Barela Jabalpur, M.P.
8. Presented National poster on Herbosome an overview, held on 11-13/5/2013 at Jaipur
9. Presented National Poster on “Nano Technology for medical imaging and targeted drug delivery in DST and DBT sponsored national seminar” held on 13-14/4/2013’ at Guru Ramdas Khalsa Inst. of science. & technology, Barela Jabalpur, M.P.
10. Attended Two day workshop on campus to company at G.R.K.I.S.T. Pharmacy Jabalpur held on 7-8/1/ 2013
11. Attended Two day workshop on interview technique at G.R.K.I.S.T. Pharmacy Jabalpur held on 2-3/11/ 2013
12. Attended National workshop on scientific research paper writing organized by the national academy of sciences India at M.L.S.U held on 5/7/2013.
13. Presented National Poster on Contamination of herbal products held on 15/4/2012 at Guru Ramdas Khalsa Inst. of science. & technology, Barela Jabalpur, M.P.
14. Attended One day workshop on campus to company at G.R.K.I.S.T. Pharmacy Jabalpur held on 22/10/2012
15. Attended One day workshop on campus to company at G.R.K.I.S.T. Pharmacy Jabalpur in 28/02/2012
16. Attended APP Sponsored Faculty Development Programmed on Current Teaching Methodologies and Recent Research Trends in Pharmaceutical Fields held on 25/11/2012 to 8/12/2012 at Globus College of Pharmacy Bhopal held
17. Presented National (I.P.C.) Poster on “Phytochemical and Antioxidant activity study on *Achyranthes aspera*” held on 16-18/12/2011 at Bangaluru.
18. Presented National (I.P.C) Poster on “Estimation of Ranitidine HCL and Domperidone in combined dosage from UV-spectrophotometric method” in IPC Manipal University, (Karnataka) held on 17-19/12/2010.
19. Attended One day workshop participated on “Sophisticated instruments and techniques” organized by Truba Institute of Pharmacy Bhopal held on 12/5/2010.
20. Presented National Poster on “Pharmaceutical impurities determination methods” at A.I.P.S. Sagar (M.P.) held on 21-22/2/,2009
21. Presented National Poster on “Stem cell therapy” at NRI institute of pharmacy Bhopal (M.P.) held on 12/9/ 2009.
22. Presented National Poster on “Anti Diabetes Herbal Medicine “ at Department of Pharmacy, Barkatuallah University, Bhopal held on 15 And 16 /2/ 2009 (M.P.)