

CURRICULUM VITAE

DR. AWESH KUMAR YADAV

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ACAMEDIAN and R&D PROFESSIONAL

Aspiring challenging assignments for a career encompassing personal & professional enhancement

PROFILE

- ✓ Experience of 10 years in diverse areas encompassing Product Development & Management, Quality Audits, Quality Systems Implementation, Reporting & Documentation, and Teaching; presently associated as **Assistant Professor in National Institute of Pharmaceutical Education and Research, Raebareli (NIPER-R, Lucknow Campus)**.
- ✓ Well versed with **FDA related documentation, Reactions, Processes, and Technology** coupled with extensive experience of **Fluid Bed Processor (GPCG 1.1), Extruder and Spheronizer, Autocoater, Tablet Compression Machine, Rapid Mixer Granulator (RMG), HPLC, Brookfield Viscometer, Particle Size Analyzer, Zeta Sizer, Rotatory flash evaporator with cryogenic bath, Sonicator, Lyophilizer, Ultracentrifuge, Hydrogenator, Gamma counter**.
- ✓ Hold merit of **successfully developing three extended-release products (pellets) for US market (ANDA) and five products for Semi Regulatory market. Scale-up experience of pelletization product for ANDA filling and different documentation for the regulatory market.**
- ✓ Hands-on experience in formulation of solid oral product right from API procurement, vendor selection, internal quality audits, scale-up activity, document for scale-up (i.e. MMD, TAD, and PDR)
- ✓ A keen researcher, teacher, trainer, and motivator with strong analytical and troubleshooting skills. Able to effectively interact with diverse populations of students at a variety of academic levels with abilities in recognizing, respecting & nurturing the potential of each student.

Selected Accomplishments

- ✓ **48 International Publications.**
- ✓ **Two Indian patents.**
- ✓ **Guided 23 M. Pharma (Completed) and 2 Ph.D.**
- ✓ **Review Editor** in pharmaceutical Medicine and Outcomes Research (Frontiers| Pharmacology Editorial Office www.frontiersin.org/twitter.com/FrontiersIn EPFL - Innovation Square, building Lausanne, Switzerland.
- ✓ **Guest Editor** of the Special Issues of Journal of Pharmaceutics <http://www.hindawi.com/journals/jph/>
- ✓ **Reviewer** for the manuscripts of the international Journals like **Journal of Microencapsulation, Nanomedicine, AAPS Pharma SciTech, Journal of Drug Targeting, and Journal of Inclusion Phenomena and Macrocyclic Chemistry, Drug Delivery, Current Drug Therapy, Artificial Cells, Nanomedicine and Biotechnology, Current Pharmaceutical Design, etc.**
- ✓ **Nominee of CPCSEA New Delhi.**

Research Project and Seminar Grants

1. **Major Research project** on “Self-Degradable DNA Nanoclew Based Site-specific Anticancer Drug Delivery (EMR/2016/002028)’ Approved by SERB India of **47 lacs rupees (Completed)**.
2. **Major Research project** on “Hyaluronic acid anchored nanoparticles for multifunctional delivery of anticancer siRNA [BT/PR9236/MED/30/1206/2013]” Approved by DBT India of **23.68 lacs rupees (Completed)**.
3. **Minor Research project** on “Glycosoaminoglycan Anchored Nanoparticles for Tumor Targeting” by Madhya Pradesh Council of Science and Technology, Bhopal (MP) India of **1.64 lacs rupees (Completed)**.

4. **Seminar Grant** from Madhya Pradesh Council of Science and Technology, Bhopal (MP) India of **50,000/- rupees** on the “Novel Drug Delivery Strategies - A Changing and Challenging Global Scenario” at Guru Ramdas Khalsa Institute of Science and Technology- Jabalpur (MP).
 5. **Popular Lecture Series** sponsored DBT, New Delhi (**Grant amount 29000 rupees**) on Application and Challenges in Polymeric Drug Delivery Systems” at Bhagyoday Tirth Pharmacy College, Sagar (MP) 15th Feb 2018.
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PROFESSIONAL EXPERIENCE

National Institute of Pharmaceutical Education and Research, Raebareli (NIPER R)

March 2020 to till date

Assistant Professor

- ✓ Teaching and Research as per institute research mandate.
- ✓ Responsible for competitive functioning of academic curriculum.

Bhagyoday Tirth Pharmacy College, Sagar MP.

Feb 16 to 8 March 2020

Principal

- ✓ Competitive, effective, and smooth functioning of the academic program of study.
- ✓ Planning, evaluating, and revision of course curriculum, content, materials, and methods of instruction.
- ✓ Preparation of course materials such as syllabi, homework assignments, and handouts.
- ✓ Preserved regularly scheduled office for the counseling of students.
- ✓ Guided students for academic and vocational curricula and for best career options.
- ✓ Collaboration with fellow lecturers on lesson plans and performed administrative tasks viz. recording attendance, managing student portfolios, and providing individual assistance to the students.
- ✓ Stress on improving the learning environment of the classrooms and acted as a facilitator to promote student leadership by developing positive thoughts.

GURU RAMDAS KHALSA INSTITUTE OF SCIENCE AND TECHNOLOGY (PHARMACY) JABALPUR MP

Jul'12- Feb'16

Associate Professor

- ✓ Fulfilling the responsibility to teach PG & UG students, Dean (Academic), Head of various institutional committees ie. PCI, Purchase, and verification of equipments.
- ✓ Plan, evaluate, and revise curriculum, course content, and course materials and methods of instruction. Prepare course materials such as syllabi, homework assignments, and handouts.
- ✓ Maintain regularly scheduled office hours to advise and assist students. Advise students on academic and vocational curricula and on career issues. Select and obtain materials and supplies such as textbooks and laboratory equipment.
- ✓ Collaborate with fellow lecturers on lesson plans and performed administrative tasks viz. recording attendance, managing student portfolios, and providing individual assistance to the students.
- ✓ Improvement of learning environment in the classrooms and acted as a facilitator to promote student leadership in initiating and creating positive learning opportunities.

IPCA LABS LIMITED, MUMBAI

Oct '08 – Jul'12

Assistant Manager in Formulation Development

- ✓ Organized efforts for patent analysis, “**Formulation Development**”, scale-up, Literature search, and preparation and evaluation documents pertaining to all these activities related to the projects assigned.
- ✓ **Received “Appreciation Letter for the process improvement” by IPCA Lab. Limited.**

Completed projects

- ✓ Developed “**Multi-unit particulate systems, and Extended-Release**” Tablets for anti-hypertensive Drug (ANDA).

- ✓ Developed Extended Release (pellets) Capsules of An Antihypertensive Drug (ANDA).
- ✓ Developed Extended Release (pellets) Capsules of An Anti-inflammatory Drug (ANDA),
- ✓ Developed Extended Release (pellets) Capsules for the Treatment of Ulcerative Colitis (ANDA filing).
- ✓ Developed Controlled-Release Tablets for UTI for Domestic Market.
- ✓ Developed Immediate Release Tablets/Capsules for antibacterial drugs for the domestic market.
- ✓ Developed Bilayer Tablets for anti-hypertensive drugs for the domestic market.

FORMULATION DEVELOPMENT, HIMALAYA DRUG COMPANY, BANGALORE (KA)

Feb'08 – Sep'08

Research Scientist

- ✓ Entrusted with the responsibility of handling Development of An Microparticulate Formulation of a Sunscreening Agent

SUN PHARMA ADVANCED RESEARCH CENTER (SPARC), VARODARA (GJ)

Apr'04 – Aug'04

Research Assistant in Formulation Development

- ✓ Development of Injectable Formulations of an anticancer drug.

EDUCATIONAL CREDENTIALS

Ph. D. in Pharmaceutical Sciences, 2008

Dr. H. S. Gour University Sagar (MP).

Thesis: Development and Characterization of Nanoparticulates carriers for delivery of anticancer drugs.

M. Pharm. in Pharmaceutics, 2003

Dr. H. S. Gour University Sagar (MP).

Thesis: "Polypropyleneimine Glycodendrimer for delivery of primaquine phosphatate"

B. Pharm, 2000

Dr. H. S. Gour University Sagar (MP).

Higher Secondary Certificate Examination, 1995

M.P. Board of Secondary Education Bhopal, M.P.

High School Certificate Examination 1993

M.P. Board of Secondary Education Bhopal, M.P.

Computer Proficiency

Microsoft Office, Windows, and Internet Applications

Associations

- ✓ Life member of Association of Pharmaceutical Teachers of India (MP/LM-368).
- ✓ Member of Society of Pharmaceutical Education and Research (SPER/LM/MP/022)
- ✓ Member of Society of Ethnopharmacology, Bhopal Chapter

Academic Accolades

- ✓ **Outstanding Professor in Pharmaceutics Award** by APTI MP State Branch in the year 2018
- ✓ UGC-JRF for P.G. Studies (M. Pharm.)
- ✓ ICMR-SRF for Ph.D.
- ✓ **Best Cited Paper** award by International Journal of Pharmaceutics in the year 2005
- ✓ Qualified **GATE** conducted by IIT Kanpur.

Extra-Curricular Activities

- ✓ Actively participated, managed, and hosted the various events during Pharmacy Quality Improvement Programmes conducted by All India Council for Technical Education (AICTE), New Delhi, and Deptt. Of Pharmaceuticals Sciences Dr. H.S. Gour University Sagar during the academic Years 2005-06.
- ✓ NCC Certificate "A" In 1993
- ✓ Cricket: University Level

Languages Known: Hindi and English

References: Available on request

ANNEXURE

(I) List of Research and Review articles (Citations: 1353, h-Index-15, i10 Index-22)

1. Mazahir F and **Yadav A. K.**, Recent Trend of Nanoparticulate Carriers for the Diagnosis and Treatment of Alzheimer's disease. **CNS & Neurological Disorders - Drug Targets (Accepted) (Impact Factor: 4.388)**.
2. Prabakaran A., Agrawal Mukta, Dethea MR , Ahmeda H, **Yadav A**, Gupta U and Alexander A. Nose-to-brain drug delivery for anti-Alzheimer drugs: current challenges and recent advances. **Expert Opinion on Drug Delivery**, 2022; 1-16. (Accepted) **(Impact Factor: 4.8)**.
3. Ujjwal Raman Rewati, **Yadav Awesh ***, Tripathi Shourya, and Krishna Sai S.T.V., Polymer-Based Nanotherapeutics for Burn Wounds, **Current Pharmaceutical Biotechnology**, 2021; 10.2174/1389201022666210927103755 (in-press), **(Impact Factor: 2.8)**.
4. Shourya Tripathi, Ujala Gupta, Rewati Raman Ujjwal, **Awesh K. Yadav**, Nano-Lipidic Formulation and Therapeutic Strategies for Alzheimer's disease via Intranasal Route, **Journal of Microencapsulation**, 2021; 38 (7-8): 572-593 **(Impact Factor: 3.1)**
5. Handa M., Tiwari S., **Yadav AK.**, Almalki WH., Alghamdi S., Alharbid KS., Shukla R., Beg S, Therapeutic potential of nanoemulsions as feasible wagons for targeting Alzheimer's disease, **Drug Discovery Today**, 2021; 26(12): 2881-2888 **(Impact Factor: 7.8)**
6. Singh A, Naga Mallika T, Gorain B, **Yadav AK.**, Tiwari S, Flora S.J.S., Shukla R, Kesharwani P., Quantum dot: heralding a brighter future in neurodegenerative disorders, **Journal of Drug Delivery Science and Technology**, 2021; 65: 102700 **(Impact Factor: 3.98)**
7. **Yadav AK**, Shukla R, Flora SJS. Nanodiamonds: A Versatile Drug-Delivery System in the Recent Therapeutics Scenario **Critical Reviews™ in Therapeutic Drug Carrier Systems**, 2021; 38(4): 39-78 **(Impact factor: 4.889)**
8. Jain K., Shukla R., **Yadav A.**, Ujjwal RR., Flora SJS. 3D printing in development of nanomedicines **Nanomaterials**, 2021; 11(2): 420. **(Impact factor: 4.034)**
9. Garg S., Garg A., Sahu N.K., **Yadav AK.** Synthesis and characterization of Nanodiamond-Doxorubicin (DOX) conjugate for effective delivery against MCF-7 cell lines. **Journal of Drug Delivery and Therapeutics**, 2019; 9(4-s): 589-594.
10. Garg S, Garg A, Sahu NK, **Yadav AK.**, Synthesis and Characterization of Nanodiamond-Anticancer Drug Conjugates for Tumor Targeting. **Diamond & Related Materials**, 2019; 94 **(Impact factor: 2.65)**
11. Singh A, Gothwal A, Rani S, Rana M, Sharma A, **Yadav A.** Gupta U. Dendrimer Donepezil Conjugates for Improved Brain Delivery and Better in vivo Pharmacokinetics **ACS Omega**, 2019; 4(3): 4519-4529. **(Impact factor; 3.5)**
12. Garg S. Garg A, Enaganti S, **Yadav AK.**, Chondroitin sulphate decorated polymeric nanoparticles: an effective carrier for enhancement of lung cancer targeting capabilities of anticancer drug. **Current Nanomedicine**, 2019; 9(3): 243 – 261. **Drug**
13. Garg A, Garg S, Sahu NK, Rani S, Gupta U, **Yadav AK.**, Heparin Appended ADH-Anionic Polysaccharide Nanoparticles for Site-Specific Delivery of Usnic Acid **International Journal of Pharmaceutics**, 2019; 557: 238-253. **(Impact factor; 4.8)**.
14. Malaiya A, **Yadav AK.** Hyaluronic acid anchored nanoparticulate carrier for delivery of methotrexate **Asian Journal of Pharmacy and Pharmacology**, 2018; 4(6): 899-907.
15. Pandey P, Sharma A, Rani S, Mishra G, Kandasamy G, Patra A, Rana M, Sharma A, **Yadav AK**, Gupta, U. MCM-41 Nanoparticles for Brain Delivery: Better Choline-Esterase and Amyloid Formation Inhibition with Improved Kinetics, **ACS Biomaterials Science & Engineering**, 2018; 4(8):2860-2869 **(Impact factor: 4.4)**.
16. Garg A, Sahu NK, **Yadav AK.**, Usnic acid-loaded bioinspired heparin modified-cellulose acetate phthalate nanoparticle(s) as an efficient carrier for site-specific delivery in lung cancer cells. **International Journal of Pharmaceutical Investigation**, 2018; 8(2):53.
17. Yadav V, Jain AP, Sharma R, **Yadav AK.**, Nanocarriers(s) based approaches in cancer therapeutics **Current Nanomedicine**, 2020; 10(2): 130 – 148.
18. Kaur I, Sharma A, **Yadav AK**, Mishra N., Recent Advances on Biodegradable Polymeric Carrier Based Mucosal Immunization: An Overview **Artificial Cells, Nanomedicine and Biotechnology**, 2017; 452-464 **(Impact factor: 5.67)**

19. Pawar RS, Sudeesh MS, **Yadav AK.**, Phyto-phospholipid complex of Eclipta alba extract containing coumestans for the management of hepatotoxicity, **Current Nanomedicine**, 2017; 7(3), 212-222.
20. Thakur D, **Yadav AK.**, Formulation and Evaluation of Herbal Tablets Containing Pterocarpus Marsupium Extract for Effective Management of Diabetes, **Asian Journal of Biomaterial Research**
21. Jain D, **Yadav AK.**, Development and Characterization of Transdermal Film of Losartan Potassium **Asian Journal of Biomaterial Research**
22. Garg A, Patel V, Sharma R, Pandey V, **Yadav AK.**, Heparin Tailored Biopolymeric Nanocarriers in Site-Specific Delivery: A Systematic Review, **Critical Reviews in Therapeutic Drug Carrier Systems**, 2017; 34(1): 1-33 (**Impact factor: 4.8**)
23. Garg A, Patel V, Sharma R, Jain A, **Yadav AK.**, Heparin Appended Polycaprolactone Core/Corona Nanoparticles for Site Specific Delivery Of 5-Fluorouracil, **Artificial Cells Nanomedicine and Biotechnology**, 2017; 45(6): 1-10 (**Impact factor: 5.67**)
24. Sahu M, **Yadav AK.**, Preparation and characterizations of gelatin coated Palmitic acid nanoparticles of Ofloxacin, **Asian Journal of Biomaterial Research**
25. Soni R, Garg A, Patel V, **Yadav AK.**, Nanoparticles: A regnant approach for Drug delivery and Cancer management, **Asian Journal of Biomaterial Research**
26. Jain A, Garg A, **Yadav AK.**, Preparation of Chondroitin Sulphate anchored gelatin Conjugate Nanoparticulate Carrier for Enhancement of antimalarial Targeting Capabilities of chloroquine phosphate: Ex-vivo and in-vitro Assessment, **Asian Journal of Biomaterial Research**
27. Gour V, Garg A, Shukla A, **Yadav AK.** Development and Evaluation of Metronidazole Injection by Mixed Solvency Approach. **Asian Journal of Biomaterial Research**
28. Jain AP, Lodhi S. **Yadav AK.** Rai G., Evaluation of Parmotrema reticulatum Taylor for Antibacterial and Anti-inflammatory Activities, **Indian Journal of Pharmaceutical Sciences**, 2016, 78(1): 94–102. (**Impact factor: 0.72**)
29. Sharma N, Bhandari S, Deshmukh R, **Yadav AK.** Mishra N. “Development and Characterization of Embelin Loaded Nanolipid Carriers for Brain Targeting” **Artificial Cells, Nanomedicine and Biotechnology**, 2017; 45(3): 409-413 (**Impact factor: 5.67**)
30. Sen DK, **Yadav AK.**, Shukla A. An incredible diagnostic tool Quantum Dots: A review **Asian Journal of Biomaterial Research**, 2015; 1(2): 46-50
31. Patel V, Garg A, **Yadav AK.**, Rai G. Development, and characterization of Tretinoin loaded gelatin microspheres for Transdermal Delivery of Tretinoin. **Asian Journal of Biomaterial Research**
32. Garg A, Rai G, Lodhi SR, Jain AP, **Yadav AK.**, Hyaluronic Acid Embedded Cellulose Acetate Phthalate Core/Shell Nanoparticulate Carrier of 5-Fluorouracil, **International Journal of Biological Macromolecules**, 2016; 87: 449-59. (**Impact factor: 6.953**)
33. Lodhi S, Jain AP, Rai G, **Yadav AK.**, Preliminary investigation for wound healing and anti-inflammatory effects of Bambusa vulgaris leaves in rats, **Journal of Ayurveda and Integrative Medicine**, 2016; 7(1): 14–22.
34. Rai G, **Yadav AK.** Jain NK, and Agrawal GP., Enteric Coated Epicholrohydrin Crosslinked Dextran Microspheres for Site-Specific Delivery to Colon, **Drug Development and Industrial Pharmacy**, 2015; 41(12): 2018-28 (**Impact factor: 2.295**)
35. Jhariya S, Rai G, **Yadav AK.** Jain AP, Lodhi S., Protective Effects of Tridax procumbens Linn. Leaves on Experimentally Induced Gastric Ulcers in Rats, **Journal of Herbs, Spices & Medicinal Plants**, 2015; 21(3), 308-320
36. Garg A, Rai G, Lodhi SR, Jain AP, **Yadav AK.**, In-vitro and In-vivo Assessment of Dextran-Appended Cellulose Acetate Phthalate Nanoparticles for Transdermal Delivery of 5-Fluorouracil, **Drug Delivery**, 2016 ;23(5): 1525-35 (**Impact factor: 6.419**)
37. Rai G, **Yadav AK.**, Jain NK and Agrawal GP., Eudragit Coated Dextran Microspheres of 5-Fluorouracil for Site-Specific Delivery to Colon Drug Delivery, **Drug Delivery**, 2016; 23(1):328-37 (**Impact factor: 6.419**).
38. **Yadav AK.** Agarwal A, Jain S, Mishra AK, Bid H, Rai G, Agrawal H, Agrawal GP., Chondroitin Sulphate Decorated Nanoparticulate Carriers of 5-Fluorouracil: Development and In-Vitro Characterization, **Journal of Biomedical Nanotechnology**, 2006; 58(9): 1177-81 (**Impact factor: 4.521**)
39. **Yadav AK.** Agarwal A, Rai G, Mishra P, Jain S, Mishra AK, Agrawal H, Agrawal GP., Development and characterization of hyaluronic acid decorated PLGA nanoparticles for delivery of 5-fluorouracil, **Drug Delivery**, 2010; 17(8): 561-72 (**Impact factor: 6.419**)
40. **Yadav AK.** Mishra P, Agrawal GP., An insight of hyaluronic acid in drug delivery and drug targeting **Journal of Drug Targeting**, 2008; 16(2): 91-107. (**Impact factor: 5.121**)

41. **Yadav AK**, Mishra P, Jain S, Mishra P, Mishra AK, Agrawal GP, Preparation and characterization of HA-PEG-PCL intelligent core-corona nanoparticles for delivery of doxorubicin, **Journal of Drug Targeting**, 2008; 16(6): 464-478. **(Impact factor: 3.408)**
42. **Yadav AK**, Mishra P, Mishra AK, Mishra P, Jain S, Agrawal GP., Development and Characterization of Hyaluronic acid anchored PLGA nanoparticulate carrier of Doxorubicin, **Nanomedicine: Nanotechnology, Biology and Medicine**, 2007; 3(4): 246-257. **(Impact factor: 6.458)**.
43. Paharia A, **Yadav AK**, Rai G, Jain SK, Pancholi SS, Agrawal GP, Eudragit Coated Pectin Microspheres of 5-Fluorouracil for Colon Targeting, **AAPS PharmaSciTech**, 2007; 8(1): 12. **(Impact factor: 2.451)**
44. Gogna D, Jain SK, **Yadav AK**, Agrawal GP., Microsphere Based Improved Sunscreen Formulation of Ethylhexyl Methoxycinnate, **Current Drug Delivery**, 2007; 4(2): 153-159. **(Impact factor: 2.565)**
45. Jain AK, Jain SK, **Yadav AK**, Agrawal GP, Controlled Release Calcium Silicate based Floating Granular Delivery System of Ranitidine Hydrochloride, **Current Drug Delivery**, 2006; 3(4): 367-372. **(Impact factor: 2.565)**
46. Patel M, Jain SK, **Yadav AK**, Agrawal GP, Preparation and characterization of oxybenzone loaded gelatin microspheres for Enhancement of Sunscreening Efficacy, **Drug Delivery**, 2006; 13(5): 323-330 **(Impact factor: 6.419)**
47. Bhadra D, **Yadav AK**, Bhadra S, Jain NK, Glycodendrimeric nanoparticulate carriers of primaquine phosphate for liver targeting, **International Journal of Pharmaceutics**, 2005; 295(1-2):221-233 **(Impact factor: 4.8)**
48. Saraogi SK, Agrawal P, **Yadav AK** Bhadra D Jain NK, Glycodendrimers based Novel Targeted Drug Delivery Systems, **The Pharma Review** 2004 ,37-53

(II) Patent: Two Indian Patent

(III) Books

1. Book entitled "Multifunctional Nanocomposites for Targeted Drug Delivery in Cancer Therapy" with Elsevier publication (On-going)
2. Book entitled "Nanomaterial Drug Delivery for Neurodegenerative Disease" with Elsevier publication (In-Press)
3. Published book entitled "Nano Drug Delivery Strategies for the Treatment of Cancer" with Elsevier Publication.
4. Published book entitled "MODULATED ORAL & NANO DRUG DELIVERY SYSTEMS" with Nirali Prakashan Pune.
5. Published book entitled "A Text of Pharmacology II" with Everest Publication House Pune.
6. Published book entitled "Practical Manual for M. Pharm. Students" with Nirali Prakashan Pune.

(IV) Book Chapters

1. Shaila Jain, Vaishali Yadav, Amit K Jain, **Awesh K Yadav*** "Nutraceuticals – A Revolutionary Approach for Nano Drug Delivery" in, NanoBioMedicine Series USA, Editor by Prof. Bhupinder Singh Bhoop. 1st edition (2018) 1-22.
2. A Malaiya, D Jain, **AK Yadav*** book chapter entitled "Nanoparticles and pancreas cancer" In Book entitled "Nano Drug Delivery Strategies for the Treatment of Cancers" Elsevier publication 1st edition (2020) 145-164.
3. Surabhi Gupta and **Awesh K. Yadav*** in Book entitled "Polysaccharide Nanoparticles: Preparation and Biomedical Applications" Chapter 6: Chondroitin sulfate-based Nanoparticles: Preparation and Applications edited by Prof. Se-Kwon Kim, Prof. Sukumaran Anil, Dr. J Venkatesan, Prof. Rekha P.D, Elsevier publication, 1st edition, Jan. (2022), 65-90.
4. Mazahir, F., Pathak, A., Gupta, U., & **Yadav, A. K***. (2021). Nanotechnology for cancer treatment: An Introduction. In D. N. Mishra, D. N. Upmanyu, & D. A. Garg (Eds.), Therapeutic Nanocarriers in Cancer Treatment: Challenges and Future Perspective. Bentham Science Publishers Ltd (In-Press)
5. Mazahir, F., Tripathi, S., & **Yadav, A. K***. (2021). Hyaluronic receptors for the development of breast cancer nanomedicine. Book entitled "Targeted Nanomedicine for Breast Cancer Therapy". Edited by Dr. Shivani Paliwal and Rishi Paliwal Elsevier Publication (In-press).
6. Mazahir F, Bhogale D, Palai AK, **Yadav A. K.*** Nanomedicine: Principle, Properties, and Regulatory Issues Book Entitled "Smart Polymeric Nano-Constructs in Drug Delivery: Concept, Design and

Therapeutic Applications” Edited Prof S.P. Vyas and Rajeev Sharma (editor) in Elsevier Publication (In-press).

7. Birajdar SV, Mulchandani M, Mazahir F, **Yadav A. K***. Dementia and Neurodegenerative Disorder: An Introduction Book Entitled “Nanomedicine Based Approaches for Treatment of Dementia” Edited by Dr. Umesh Gupta and Dr. Prashant Kesharwani (In-press).

(V) E-CONTENT DEVELOPMENT for Educational Multimedia Research Center (EMRC), Dr. Hari Singh Gour University, Sagar (UGC Programme)

1. Full academic script on Anticoagulants, haemostatic agents, and oxytocic agents.
2. Full academic script on Oral Hypoglycemic Drugs.
3. Full academic script on Thyroid hormones and antithyroid drugs

(VI) Conferences/Seminars Attended

1. Invited as **Resource Person** in National Seminar “Emerging Frontiers and Challenges in Nanotechnology and Drug Design” during 1 March 2015 at Department of Pharmaceutical Sciences, Dr Hari Singh Gour University Sagar.
2. **Poster presentation** in International Conference on “Advances in Pharmaceutical Nanotechnology and Nanomedicine” to be held during 6-8 February 2015 at I.S.F. College of Pharmacy, Moga, Punjab (India).
3. Invited as **Resource Person** in National Seminar 2015” at Laxmi Narain College of Technology, Bhopal during 14 March 2015.
4. Invited as **Resource Person** ICMR, DBT, DAE & MPCST Sponsored One Day National Symposia ON “National Symposia on vector based siRNA Delivery: An Emerging Tool in Nanobiotechnology Research on 28th February 2015 at ADINA Institute of Pharmaceutical Sciences, Sagar (M .P.).
5. Invited as **Resource Person** in DST and MPCST sponsored International Seminar “Adicon 2014” at Adina Institute of Pharmaceutical Science, Sagar on “Progress and Advances in Human Health Management and Healthcare Reforms” during 11-12 October 2014.
6. Deliver **oral presentation** in DST, ICMR and UPCOST sponsored 2nd **International Symposium on Dendrimer in Nano Drug Delivery-ISDNDD-2014** at Central Drug Research Laboratory (CDRI), Lucknow on “Evaluation of Chondroitin Sulphate Anchored Nanoparticulate Carrier of Chloroquine Phosphate” during 14th June 2014 to 15th June. 2014.
7. Invited as **resource person** and deliver oral presentation in AICTE sponsored Faculty Development Programme at Laxmi Narain College of Technology, Bhopal on “Current Scenario of Nanoparticulate Drug Delivery Carriers in Pharm. Industry” during 04th Dec 2013 to 17th Dec. 2013.
8. Invited as **resource person** and deliver oral presentation in AICTE sponsored Faculty Development Programme at Vedica College of B. Pharmacy, Bhopal on “Current Scenario of Nanoparticulate Drug Delivery Carriers in Pharm. Industry” during 11th Nov 2013 to 24th Nov 2013.
9. Invited as **resource person** and deliver oral presentation in APP sponsored Faculty Development Programme at Global College of Pharmacy, Bhopal on “Current Scenario of Nanoparticulate Drug Delivery Carriers in Pharm. Industry” during 25th Nov 2012 to 8th Dec 2012.
10. Received certificate of appreciation by Ipca Lab Mumbai by presenting improvement project on Propranolol ER Pellets.
11. **AK Yadav** P. Mishra Agrawal GP “Development and Characterization of chondroitin sulphate anchored PLGA nanoparticulate carrier of Doxorubicin” Abstract published in 16th International Symposium on Microencapsulation Lexington, Kentucky, USA.
12. **AK Yadav**, NK Jain, GP Agrawal “Polypropylene imine glycodendrimer for delivery of primaquine phosphate” National Science Day on 28 February 2005 organized Dr. Hari Singh Gour Vishwavidyalaya, Sagar (MP).
13. Organized National Seminar On “Nanobiotechnology: An Emerging Future Technology for Nanomedicine” as **Organizing Secretary** during 13th to 14 April 2013 at Guru Ramdas Khalsa Institute of Science and Technology (Pharmacy) Jabalpur.
14. Attended DST sponsored Faculty Development Programme on “Entrepreneurship” at Kalaniketan Polytechnique Collage, Jabalpur during 5 Feb to 15 Feb 2013.
15. **AK Yadav**, 54th IPC on 13-15 Dec 2002 at Pune.
16. **AK Yadav**, MP PHARMA MEET- 2007 on 24th March 2007 at Indore.
17. **AK Yadav**, First HR Submit-2012 on 13-14th Oct 2012 at Nagpur.
18. Member of organizing committee of One day workshop on “Campus to Company” on 22 Oct 2012 at Guru Ramdas Khalsa Institute of Science and Technology- Jabalpur.