

## Curriculum Vitae

### **Dr. Adeep Kujur**

**University Institute of Pharmacy,  
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### **Academic Records**

**Ph.D. (Pharmacy)** (2023): from University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, India.

**M. Pharm. (Pharmaceutics)** (2010): from Institute of Pharmaceutical Sciences; Guru Ghasidas Vishwavidyalaya (A Central University), Bilaspur, Chhattisgarh, India.

**B. Pharm.** (2008): from SLT Institute of Pharmaceutical Sciences; Guru Ghasidas University, Bilaspur, Chhattisgarh, India.

### **Experience**

- **Research experience:** I have achieved 08 years research experience from M. Pharm. & Ph.D.
- **Teaching experience:** 12.5 years

### **Awards**

- **Best Oral Presentation Award** in UGC and CCOST sponsored International Conference on “Fostering Interdisciplinary Research in Medicines”, Organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, from 19<sup>th</sup> -21<sup>st</sup> January 2019.

## Patents

### Patent Publications

1. **Indian Patent Published** on Title- Chemical Biology of Muscle Calcium that Targets Gram-Positive Pathogens, Patent Application No.-202221046289 A, Patent Published Date- 26/08/2022, Patent Publication Number- 34/2022.
2. **Indian Patent Published** on Title- Modulation of Drug Release from pH-responsive Soft Nanocomposites, Patent Application No.- 202211066124 A, Patent Published Date- 25/11/2022, Patent Publication Number- 47/2022.

### Patent Grants

1. **UK Design Registration** on Title- Microreactor for Nanoparticle Synthesis, Patent Design No.- 6299047, Patent Registration Date- 25/07/2023, Patent Grant Date- 04/08/2023.
2. **Indian Design Registration** on Title- Triple Distillation Apparatus for Fine Separation of Compounds, Patent Design No.- 391365-001, Patent Registration Date- 27/07/2023, Patent Grant Date- 25/09/2023.
3. **Indian Design Registration** on Title- Hand Operated Portable Tablet Punching Machine, Patent Design No.- 391761-001, Patent Registration Date- 02/08/2023, Patent Grant Date- 06/10/2023.
4. **Indian Design Registration** on Title- Basket Type Digital Dissolution Apparatus, Patent Design No.- 419761-001, Patent Registration Date- 12/06/2024, Patent Grant Date- 25/07/2024.

## Projects

S. No.	Principal Investigator/ Co-Principal Investigator	Title of the Project	Amount Sanctioned
1.	Co-Principal Investigator	Development of Cost Analysis-Based Tools for Enhancing the Accessibility of Medicine in the Tribal Population of Chhattisgarh	35.87 Lakhs

## Published Research Papers

1. **Adeep kujur**, J. S. Dangi, Devendra Singh Thakur, Peeyush Kumar, 2010. Formulation, Characterization and *In Vitro* Evaluation of Hollow Floating Microsphere Containing Ketoconazole, *Inventi Rapid: NDDS*, 1(2), p. 01-05.
2. Devendra Singh Thakur , Peeyush Kumar, **Adeep Kujur**, Pramod Kumar, Rajeev Kumar, 2010. Contribution of Male Contraception in World Population, *J. Pharm. Sci. & Res.* Vol.2 (7), p. 384-393
3. Pramod Kumar, Peeyush Kumar, Amita Jaiswal, Jyotsana Nandan, **Adeep Kujur**, Arpan Tripathi, 2010. A Review on Treatment Strategy of Dandruff, *Inventi Rapid: Cosmeceuticals*, 1(2), p. 01-03.
4. Tripathi, V., **Kujur, A.** and Saluja, M.S., 2015. Hepatoprotective Activity of Stem Bark of *Nyctanthes arbor-tristis* linn. *Research journal of Pharmacology and Pharmacodynamics*, 7(3), p.119-123.
5. Shrivastava, S., Tirkey, R., **Kujur, A.**, Jangde, R. and Daharwal, S.J., 2017. Glimpses of ethnopharmacological approaches to treat acne. *Research Journal of Topical and Cosmetic Sciences*, 8(1), p.40-49.
6. **Kujur, A.**, 2019. Evaluation of Anthelmintic and Antioxidant Potential of *Solanum Melongena* Linn. Leaf Extract Using *In-Vitro* Models and Estimation of Total Flavonoid Content. *International Journal of Pharmaceutical Sciences Review and Research*, 58 (2), p.35-38.
7. **Adeep Kujur**, Rakesh Tirkey, Vaibhav Tripathi and Pushpendra Kumar Sahu (2020) “Promising herbs for the management of inflammation associated with various pathological conditions - A Review”, *International Journal of Research in Pharmaceutical Sciences*, 11(SPL4), pp. 3084-3091.
8. Dash, D. K., Chaubey, N., Tripathi, V., Sahu, A. K., & **Kujur, A.** (2021). A Bird Eye view on Recent Covid-19 Data Reports Over Less Abundant Superficial Information. *Bull. Env. Pharmacol. Life Sci*, 10(3), 196-205.
9. **Kujur, A.**, & Daharwal, S. J. (2021). Novel Formulations of Green Synthesized Plant Based Metal Nanoparticles along with their Therapeutic Applications: an Insight to Nano-Green world. *Bull. Env. Pharmacol. Life Sci*, 10(3), 217-236.

10. Tirkey, R., **Adeep Kujur**, K.Y., Tripathi, V. and Dhansay Dewangan, S., 2021. Potential of Neoteric Phytoactives and Herbs for Targeting Pathophysiological Modules of Arthritis. *Bull. Env. Pharmacol. Life Sci*, 10(5), pp.273-281.
11. **Kujur, A.** (2021). Development and Characterization of *Costus Speciosus* Rhizome Extract Based Antimicrobial Liposomal Gel. *Adv. Biores.*, 12(4), 64-71.
12. Ahirwar, K., **Kujur, A.**, Tirkey, R. and Tripathi, V. (2021). An Observational Study of Traditional and Reported Health Benefits of Ethnomedicinal Plant Amaranth Found in Sarguja Chhattisgarh. *International Journal of Biology, Pharmacy and Allied Sciences*, 10 (SPL 10), 235-242.
13. Aneshwari Rk, Kumar A, **Kujur A**, Sahu Ak and Jain V. (2022). Random Amplified Polymorphic DNA (RAPD) Molecular Marker Based Genetic Analysis of *Alocasia Indica* and *Tephrosia Perpurea*. *International Journal of Biology, Pharmacy and Allied Sciences*, 11 (4), 1673-1683.
14. Aneshwari, R. K., Yadav, K., Banjara, R. A., Kumar, A., **Kujur, A.**, & Jain, V. (2022). Standardization and comparative evaluation of phytochemical content and antioxidant activity of *Alocasia indica* and *Tephrosia purpurea*. *International Journal of Health Sciences*, 6(S2), 2241–2251.
15. **Kujur, A.**, & Daharwal, S. J. (2022). Optimization of Zinc Oxide Nanoparticles Biosynthesis from Morin Hydrate Using Box–Behnken Design for Enhanced Antioxidant and Antimicrobial Activity. *NeuroQuantology*, 20(8), 9199-9227.
16. **Kujur, A.**, & Daharwal, S. J. (2023). Box–Behnken Design Based Optimization of Process Variables for the Green Synthesis of 18-Beta–Glycyrrhetic Acid Silver Nanoparticles and Evaluation of its Antioxidant, Antimicrobial Activity. *International Journal of Drug Delivery Technology*, 13(2), 501-509.
17. Gomathi Periyasamy, Madhusudan Sudhakar Rao Bele, Kavita Khatana, Ahmad Lalahmad Shaikh, Shankarappa Kambhoja, Shivam Lale, Smita P Wasnik, **Adeep Kujur**, Meesala Sudhakar, Chandore Hemant Dnyaneshwar, Arpan Kumar Tripathi (2024). Cardioprotective Activity of Chitosan-*Terminalia arjuna* Extract Nanoparticles Against Lead Acetate Induced Cardiac Cell Damage in Rat. *African Journal of Biological Sciences*, 06(12), 994-1005.
18. Uriti Sri Venkatesh, Y V Vandana, Sheik Jakir Hussain Mustaq, Anand Kumar, Varsha Burman, Meesala Sudhakar, Vaibhav Tripathi, **Adeep Kujur**, V. Geetha, Dsvkg Kaladhar, Arpan Kumar Tripathi (2024).

Advanced Drug Delivery for Alzheimer's Disease Using Targeted Nanoparticles Across the Blood-Brain Barrier. *African Journal of Biomedical Research*, 27(3s), 1805 – 1813.

19. M. Kiruthika, Samyadip Singha Roy, Yash Srivastav, Arpan Dutta, S.Reka, **Adeep Kujur**, Shilpi Prasad, Neeta Rai, Anil Kumar (2024). Synthesis, Characterization, and Antimicrobial Studies of Novel Schiff Base Metal Ion Derivatives. *Biochemical and Cellular Archives*, 24(2), October 2024.

### **Published Books**

1. Reddy, B.V., Matsyagiri, L., **Kujur, A.**, Lanjhiyana, S., Lanjhiyana, S.K., 2024. *Pharmaceutics – I*, JEC Publications, Mughalsarai, Uttar Pradesh, India. **ISBN: 978-93-6175-623-8.**
2. Sharma, V., Desai, M.M., **Kujur, A.**, Rao, N.S., Abhishek., 2025. *Physical Pharmaceutics – I*, JEC Publications, Mughalsarai, Uttar Pradesh, India. **ISBN: 978-93-6175-935-2.**

### **Published Book Chapters**

1. Panik, R., **Kujur, A.**, Dash, D.K., Tripathi, V. and Sahu, A.K., 2020. World Threat COVID 19: The Pathogenesis, Genetic Journey And Proof Based Remedial Control. *Coronavirus Disease (Covid-19): Scoping Review*, Kripa Drishti Publications, Pune, India, 1, p.31-58. **ISBN: 978-81-946587-9-5.**

### **Paper Presented in Conferences**

1. “Development and *In Vitro* Evaluation of Hollow Floating Microsphere Containing Ketoconazole for Fungal Diseases”, 65th Indian Pharmaceutical Congress (IPC) on theme “Pharma Vision 2020: Empowering Pharmacist”, Organized by Amity University, Noida, Delhi NCR, India, 20<sup>th</sup> -22<sup>nd</sup> December, 2013.
2. “Formulation, Characterization and *In Vitro* Evaluation of Voriconazole Hollow Floating Microspheres” **International Conference** on “Frontiers in Pharmaceutical Science & Research" with theme "Cutting Edge Technology in New Drug Discovery & Drug Delivery Systems" organized by Columbia Institute of Pharmacy, Raipur, C.G., India, from 11<sup>th</sup> -12<sup>th</sup> October 2014.
3. “A Floating Type Oral Dosage Form for Terconazole Based on Polymeric Microballoons : *In Vitro* and *In Vivo* Evaluation in Rabbits”, 66<sup>th</sup> Indian Pharmaceutical Congress (IPC) on theme “India-

Pharmacy of The World-Role of Indian Regulators And Pharma Industry” at Hitex City, Hyderabad, India, from 23<sup>rd</sup> -25<sup>th</sup> January, 2015.

4. “Intragastric Floating Drug Delivery System of Itraconazole: *In Vitro* Evaluation”, CGCOST Sponsored National seminar on “Recent Trends in “Green Therapies” for diseases prevalent in Chhattisgarh state”, Organized by Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg, C.G., India, from 16<sup>th</sup> -17<sup>th</sup> October, 2015.
5. Anthelmintic and Antioxidant Activity of *Sphaeranthus Indicus Linn* : *In Vitro* Evaluation, UGC Sponsored National seminar on “Prospects of Pharmacy Education”, Organized by University Institute of Pharmacy, Pt, R.S.U. Raipur, C.G., India, from 19<sup>th</sup> -21<sup>st</sup> November , 2015.
6. *In-Vitro* Evaluation of Anthelmintic and Antioxidant Potential of *Solanum Virginianum Linn*. Leaves, 3<sup>rd</sup> **International Congress** of Society for Ethanopharmacology, India on theme “Ethonopharmacology and Evaluation of Medicinal Plants – Global Perspectives”, Organized by NCNR, Pt. R.S.U. Raipur, C.G., India, From 19<sup>th</sup> – 21<sup>st</sup> February 2016.
7. Evaluation of Anthelmintic and Antioxidant Potential of *Solanum melongena Linn*. Leaf Extract Using *In-vitro* Models, CGCOST Sponsored National seminar on “Traditional Knowledge and Biodiversity of Chhattisgarh” Organized by Royal College of Pharmacy, Raipur, C.G., India, from 4<sup>th</sup> -5<sup>th</sup> March, 2016.
8. Anthelmintic and Antioxidant Activity of *Solanum nigrum Linn*. Leaf Extract - *In-vitro* Evaluation, CGCOST Sponsored National Seminar on “Bridging Gap between Academic and Pharmaceutical Industries”, Organized by Columbia Institute of Pharmacy, Raipur, Chhattisgarh, India, from 5<sup>th</sup> -6<sup>th</sup> March 2016.
9. Development of Gastro- Retentive Drug Delivery System of Clotrimazole : *In-Vitro* and *In- Vivo* Evaluation in Rabbits, 68<sup>th</sup> Indian Pharmaceutical Congress (IPC) on theme “Quality Pharmaceuticals and Patient Welfare”, Organized by Andhra University, Visakhapatnam, India, from 16<sup>th</sup> -18<sup>th</sup> December 2016.
10. Development and Characterization of Solasodine Loaded Carbopol Based Liposomal Gel: *In - Vitro* Evaluation, DST sponsored APTI Central Zone National Seminar (APTI Women forum) on the theme “Treat to target approaches for dermal disorders: Newer perspectives and challenges”, Organized at university Institute of Pharmacy, Pt. R.S.U. Raipur, C.G., India, from from 24<sup>th</sup> -26<sup>th</sup> March, 2017.

11. Formulation and In-Vitro Evaluation of Carbopol Based Modified Solamargine Gel for Topical Application, ICMR Sponsored National Seminar on the theme, “Prospects and Avenues for *In-Vivo* Studies on Animal Models and Human Volunteers for treatment of Oral Cancer”, Organized at Shri Rawatpura Sarkar Institute of Pharmacy, Kumhari, Durg, C.G., India, from 5<sup>th</sup> – 6<sup>th</sup> April 2017.
12. Development and In-Vitro Evaluation of Stability of a Novel Formulation of Plant Active, 2<sup>nd</sup> **International Conference** on “Frontier in Pharmaceutical Sciences and Research” with the theme “Advances in Development, Delivery System and Clinical Monitoring of Drugs”, Organized by Columbia institute of pharmacy, Raipur, C.G., India, from 23<sup>rd</sup> – 24<sup>th</sup> September 2017.
13. Understanding the Role of Co-crystals for Enhanced Solubility, Dissolution and Oral Bioavailability of Poorly Soluble Drugs, CCOST sponsored national seminar on “Current Need of Patent and Publication in Research for Global Recognition”, Organized by Rungta College of Pharmaceutical Sciences and Research, Bhilai, Durg, C.G., India, from 9<sup>th</sup> -10<sup>th</sup> March 2018
14. Enhancing the Bioavailability and Hepatoprotective Activity of Phytoconstituent from Solanum Nigrum, a Well Known Medicinal Herb, Through its Novel Formulation, CBPS,UGC,SERB,CCOST sponsored national seminar on “Nanotechnology to Translational Nanomedicine: Status Assessment, Challenges and New Horizons”, Organized by University Institute of Pharmacy, Pt, R.S.U. Raipur, C.G., India, from 15<sup>th</sup> -17<sup>th</sup> March, 2018.
15. Plant Based Synthesis and Characterization of Silver Nanoparticles: An Overview With Its Applications, APP Indo-African Conference on the Theme: “Trends and Scenario of Pharmaceutical Sciences and Research”, Organized by APP Uttar Pradesh State Branch, Foundation of Pharmacy Professionals, APP Ethiopian International Branch in collaboration with Arya College of Pharmacy, R K Institute of Pharmacy and ACME Institute of Pharmacy, Bareilly at IMA Hall, Bareilly, Uttar Pradesh, India, on 30<sup>th</sup> November 2019.
16. Green Synthesis and Characterization of Zinc Oxide Nanoparticles: An Overview On Technologically Prodigious Multifunctional Inorganic Material With Its Applications, PCI, New Delhi Sponsored, 3<sup>rd</sup> **International Conference** on “Frontiers in Pharmaceutical Sciences and Research” (PharmaSci-2020) on the theme: “Integrating Pharmaceutical Technology with other branch of Sciences for Health Management”, Organized by Columbia Institute of Pharmacy, Tekari Raipur, Chhattisgarh, India, from 1<sup>st</sup> - 2<sup>nd</sup> February 2020.
17. Antimicrobial Applications of Green Synthesized Metallic Silver Nanoparticles, AERB Sponsored National Seminar on the theme: “Recent Development and Future Challenges of Nuclear Science in

Health Care Sector”, Organized by Royal College of Pharmacy, Raipur, C.G., India, on 15<sup>th</sup> February 2020.

18. Box-Behnken Design Based Optimization of Silver Nanoparticles Biosynthesis from Selected Plant Active for Enhanced Antimicrobial and Antioxidant Activity, **International Conference** on “Current Perspectives of Pharmacovigilance In Drug Discovery And Development”, Organized by Faculty of Pharmacy, Kalinga University, Raipur, C.G., India, from 7<sup>th</sup> - 8<sup>th</sup> April 2022.
19. Sustainable metal nanoparticle synthesis and their contribution to the emergence, growth and spread of antibiotic resistance, DBT sponsored National Conference on “Bridging of Biotechnology in Pharmaceutical Drug Designing and Formulations”, Organized by Royal College of Pharmacy, Raipur, C.G., India, from 13<sup>th</sup> – 14<sup>th</sup> October 2023.

### Oral Presentations in Conferences

1. “Hepatoprotective Activity of Hydro-Ethanol Extract of *Annona squamosa* Leaves” AICTE sponsored national seminar on “Advances and avenues in novel drug delivery system for therapeutically effective plant actives”, Organized by University Institute of Pharmacy, Pt. R.S.U. Raipur, Chhattisgarh, India, from 29<sup>th</sup> -30<sup>th</sup> October 2014.
2. “Anthelmintic and Antioxidant Activity of Solanum Xanthocarpum Schrad and Wendl: In-Vitro Evaluation”. ICMR and SERB, New Delhi, sponsored National conference on “Recent trends in nanotechnology in biomedical drug research”, at Himachal Institute of Pharmaceutical Education and Research, Nadaun, Himachal Pradesh, (India), from 25<sup>th</sup> - 26<sup>th</sup> February 2017.
3. Design, Development and Characterization of Liposomal Gel for Topical Delivery, UGC and CCOST sponsored **International Conference** on “Fostering Interdisciplinary Research in Medicines”, Organized by University Institute of Pharmacy, Pt. Ravishankar Shukla University, Raipur, India, from 19<sup>th</sup> -21<sup>st</sup> January 2019.
4. “Eco-Friendly Biosynthesis of Zinc Oxide Nanoparticles from Selected Plant Active for Enhanced Antimicrobial and Antioxidant Activity, Optimized by Box-Behnken Design”, National seminar on “Exploring novel drug delivery approaches and emerging trends in pharmaceutical research”, Organized by University Institute of Pharmacy, Pt, Ravishankar Shukla University, Raipur, C.G., India, from 13<sup>th</sup> – 14<sup>th</sup> May, 2022.

5. “Green Synthesized Metallic Zinc Oxide Nanoparticles and their Antimicrobial Applications”, Department of Biotechnology (DBT), New Delhi sponsored National Conference (Virtual Mode) on “Current Landscape on Novel drug Delivery Systems for Infectious Diseases: A Global Perspective”, Organized by Columbia Institute of Pharmacy, Tekari, Raipur, C.G., India, from 17<sup>th</sup> -18<sup>th</sup> October, 2022.
6. The Significance of Phyto-Fabricated Metallic Nanoparticles in Combating the Antibiotic Resistance, CCOST Sponsored National Seminar on “Enhancing Collaboration Between Academia and Industry for Pharmaceutical Sector Growth in Chhattisgarh”, Organized by Gracious College of Pharmacy, Abhanpur, Raipur, Chhattisgarh, India, from 8<sup>th</sup> – 9<sup>th</sup> September 2023.

### **Resource Person in Conferences**

1. DBT sponsored National Conference on “Bridging of Biotechnology in Pharmaceutical Drug Designing and Formulations”, Organized by Royal College of Pharmacy, Raipur, India, from 13<sup>th</sup> – 14<sup>th</sup> October 2023.
2. AERB sponsored National Conference on “Emerging Issue in Safety and Regulatory Framework Involved in Translation of Radiopharmaceuticals Therapies in Clinical Practice”, Organized by Royal College of Pharmacy, Raipur, C.G., India, on 03<sup>rd</sup> February, 2024.
3. **International conference** on “Global Health Horizon: Empowering Pharmacist Through Research and Development”, organized by Department of Pharmacy, Indira Gandhi National Tribal University, Lalpur, Amarkantak, Madhya Pradesh, India, from 24<sup>th</sup>-25<sup>th</sup> September, 2024.

### **Conference / Seminar/ Workshop / Webinar / Sports or Cultural Events Organized**

1. “An Expert Talk on Pharma Management: A Lucrative Carrier in India”, Organized by University Institute of Pharmacy, Pt, Ravishankar Shukla University, Raipur, Chhattisgarh, India, on 03<sup>rd</sup> May, 2023.