

CURRICULUM VITAE

PERSONAL DETAILS

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| Name and full correspondence address | Prof. Amit K. Goyal Head and Dean Department of Pharmacy, School of Chemical Sciences and Pharmacy, Central University of Rajasthan, Bandarsindri, N.H. 8, (Jaipur Ajmer Highway), Tehsil - Kishangarh - 305 817 Distt. - Ajmer, Rajasthan (INDIA) |
| Email(s) and contact number(s) | amit.goyal@curaj.ac.in, amitkumargoyal1979@gmail.com (Ph.) +91 1463 238 729, (M) 9878286888 |
| Institution | Department of Pharmacy, School of Chemical Sciences and Pharmacy, Central University of Rajasthan, Bandarsindri |
| Date of Birth | 19/01/1979 |
| Gender (M/F/T) | M |

ACADEMIC QUALIFICATIONS STARING FROM BACHELOR'S DEGREE

| Degree | University/Board | Year | Specialization | Division |
|----------------------------|---------------------------------|------|------------------------------|----------|
| Ph. D | DR. H.S. GOUR UNIVERSITY, SAGAR | 2009 | PHARMACEUTICAL SCIENCES | --- |
| M. PHARM | DR. H.S. GOUR UNIVERSITY, SAGAR | 2003 | PHARMACEUTICAL BIOTECHNOLOGY | First |
| DIP. BIO-INFORMATIC | BII, Noida | 2003 | BIOINFORMATICS | Grade A |
| B. PHARM | R.G.P.V. Bhopal | 2000 | PHARMACY | First |

PRESENT EMPLOYMENT/AFFILIATION AND POSTS HELD PREVIOUSLY

| Position | From |
|--|---------------------------|
| Professor, Central University of Rajasthan, Bandarsindri, Ajmer | 13 June 2019 to till Date |
| Scientist E, National Institute of Animal Biotechnology, Hyderabad | Aug. 2018 to 12 June 2019 |
| Associate Professor, Gujarat Forensic Science University, Gandhinagar | Apr. 2018 to Aug. 2018 |
| Professor, ISF College of Pharmacy, Moga | Jan. 2015 to Apr. 2018 |
| Associate Professor, ISF College of Pharmacy, Moga | Dec. 2010- to Dec. 2014 |
| Assistant Professor, ISF College of Pharmacy, Moga | Sep. 2008- to Nov. 2010 |
| Lecturer, T.I.T. Pharmacy, Bhopal | Apr. 2004 to Aug. 2005 |

RESEARCH & DEVELOPMENT ASSIGNMENTS UNDERTAKEN:

| S. No | Sponsoring Agency | Title of Project | PI/Co-PI | Grant Sanctioned | Period |
|-------|-----------------------------|--|----------|---|-----------|
| 1 | IYBA, DBT, New Delhi | Development of novel nano-carriers for pulmonary immunization against tuberculosis | PI | 40.21 Lakhs | 2009-2012 |
| 2 | Senior IYBA, DBT | Upgraded to senior IYBA based on project progress | PI | 21 Lakhs | 2013-2015 |
| 2 | Nano Scheme, DBT, New Delhi | Development of herbal nanopatch using nanofibers | PI | 35.42 Lakhs | 2012-2014 |
| 3 | ICMR, New Delhi | Development of Combined drug/siRNA delivery system of overcome drug resistant tuberculosis using targeted lipid nano-carriers | Co-PI | 32.28 Lakhs | 2013-2016 |
| 4 | DBT, New Delhi | Development of improved therapeutics with combination of immunotherapy and chemotherapy for the treatment of drug resistant tuberculosis. | Co-PI | 42.59 Lakhs | 2012-2014 |
| 5 | Animal Sci. Sec. DBT | Development of nanofibrous implants for estrous synchronization | PI | ~89.21 Lakhs | 2018-21 |
| 6 | DST-BRICS | Polymeric Nanostructures for Treatment of Microbial Infection in collaboration with Prof. Pedro Henrique Hermes de Araújo (Brazil) Prof. Xiaoyu Huang, China | PI | 41.07 Lakhs (Indian) Total Cost Approx. 2.5Cr | 2020-2023 |

STUDENT ORIENTED SPONSORED PROJECT:

| S.No. | Title | Sponsoring Agency | Students Name |
|-------|--|---------------------------|------------------------------|
| 1. | Development of novel nano-microbicidal gel | PSCST, Chandigarh, Punjab | GAURAV CHAUHAN (M. Pharm.) |
| 2. | Development and evaluation of vesicular system based vaginal anti-retro viral microbicidal gel containing efavirenz | PSCST, Chandigarh, Punjab | TANUSHREE (M. Pharm.) |
| 3. | Development and characterization of oral formulation for hepatic delivery by mediation of lymphatic transport pathway, | PSCST, Chandigarh, Punjab | SHILPA CHAUDHARY (M. Pharm.) |

ACADEMIC ACHIEVEMENTS:**A. RESEARCH GUIDANCE**

| Course | Guided | | Total |
|----------------|-----------|----------|-------|
| | Completed | On-going | |
| M.Pharm. | 60 | 4 | 64 |
| Ph.D. | 07 | 5 | 12 |
| Project Fellow | | 01 | |
| Total | | | 61 |

B. BOOKS / CHAPTERS WRITTEN / PUBLISHED

| TYPES OF BOOKS | NATIONAL | INTERNATIONAL |
|----------------|----------|---------------|
| Book Chapters | 6 | 7 |
| Book Authored | 2 | - |
| Book Edited | 1 | 1 (Ongoing) |

C. RESEARCH PAPERS/ REVIEWS PUBLISHED/ PATENTS IN THE RELEVANT FIELD:

| | |
|--------------------------|-------------|
| TOTAL PUBLICATION | 178 |
| International | 166 |
| National | 12 |
| H Index | 44 |
| I 10 Index | 131 |
| TOTAL CITATION | 5675 |

<https://scholar.google.com/citations?user=YaSTkMgAAAAJ&hl=en&authuser=1>

Patents: 10 (Published) 02 (Granted)

SEMINARS, CONFERENCES, SYMPOSIA, SUMMER/ WINTER SCHOOLS

- **Organized: 05**
- **Attended: 12**
- **Presented : 14**

D. AWARDS AND RECOGNITION

- **“Top two percent scientists”** in "Updated science-wide author databases of standardized citation indicators" on 19th October 2021 compiled by the prestigious Stanford University Elsevier BV, and the last date of data collection was 01.08.2021.
- **“Sir C. V. Raman Young Scientist Award 2020”** from SPIHER, Chennai.
- **“Top two percent scientists”** in a global list compiled by the prestigious Stanford University in Dec 2020.
- **“APTI Young Teacher Award 2017”** of Association of Pharmaceutical Teachers of India by APTI on 24th March 2018 at New Delhi.
- **“Top 10 Outstanding Researchers faculty in India” award** in the field of Pharmacology, Toxicology and Pharmaceutics based on academic output in SCOPUS indexed journals for the year 2015-17, citation count and h-index by Careers360 on 20th March 2018 at New Delhi.
- **PTU’s Best Teacher Award-2013** including all courses running under Punjab Technical University, Jalandhar, received on Foundation Day Celebration on 16 Jan, 2013.
- **OPPI Young Scientist Award-2012** from Organization of Pharmaceutical Producer of India, Mumbai in the field of Nanotechnology and Biotechnology on 14 Sep 2012.
- **DBT’s Innovative Young Biotechnologist Award-2009** from Department of Biotechnology, Govt. of India, New Delhi

- **MPCST YOUNG SCIENTIST** in Biotechnology by MP Council of Science and Technology (MPCOST), Govt. of M.P. in 2006.
- Qualified Graduate Aptitude Test for Engineering (GATE) in 2001

MOST CITED AND DOWNLOADED ARTICLES

- 4 articles from the date of publication in Journal of Drug Targeting
- 5 articles from the date of publication in Drug Delivery
- 4 articles from the date of publication in Artificial Cell, Nanomedicine and Biotechnology

OUTSTANDING REVIEWER OF RESEARCH PAPER (ELSEVIER PUBLICATION)

- European Journal of Pharmaceutical Sciences
- Biomaterials
- Colloids and Surfaces B: Biointerfaces
- Materials Science & Engineering C
- Bentham Brand Ambassador

ACHIEVEMENT OF ASSOCIATED STUDENT (M. Pharm. and Ph. D.)

- Received **Mekaster Young Scientist Award-2013** (Mr. Gourav Chauhan) for their research work entitled “Development of Novel Antiretroviral (ARV) Microbicidal Formulation Using Nano-Herbal Approach with Concomitant Contraceptive Action” Punjab Academy of Science, Patiala on 8th Feb 2013. **(Ph.D. student)**
- Received **Mekaster Young Scientist Award-2013** (Mr. Tarun Garg) for their research work entitled “Development of Novel Antiretroviral (ARV) Microbicidal Formulation Using Nano-Herbal Approach with Concomitant Contraceptive Action” Punjab Academy of Science, Patiala on 8th Feb 2013. **(Ph.D. student)**
- **Awarded Best Paper** (As Co-author) entitled "Surface engineered nanoparticles for oral immunization" on International Symposium on The Safe Use of Nanomaterials & Workshop on Nanomaterial Safety: Status, Procedures, Policy and Ethical Concern, Feb. 1-3, 2011, at Institute of Toxicological Research, Lucknow. **(Ph.D. student).**
- **Awarded Best Paper** entitled In-situ implantable systems for the delivery of Insulin in Indo-Bulgaria International Conference-2013 at ISFCP, Moga, Punjab (M. Pharm. Student).
- **Awarded Best Paper** entitled "NUTRACEUTICALS- AN OVERVIEW" in PharmAspire-2009 in the stream of Phytomedicine/ Herbal Technology at ISFCP, Moga, (M. Pharm. Student).

- **Awarded Second position for** poster presentation in Pharmaceutics Discipline and Fifth in all discipline at APTI-16th Annual National Convention on 7th-9th Oct. 2011, at ISF College of Pharmacy, Moga (M. Pharm. Student).

TECHNOLOGY DEVELOPED/TRANSFERRED:

- Development of ocular nanofibrous patch
- Mosquito repellent nano-patch technology
- Spray drier particle fractionator
- Development of transmucosal patch for the delivery of insulin

E. ACADEMIC, RESEARCH AND EDITORIAL LEADERSHIP

| ORGANIZATION | DURATION |
|--|--|
| Editorial Member, SM Journal of Nanotechnology and Nanomedicine | Aug, 2015 |
| Editor , Pharmaspire | 2010 -2013 |
| Scientific Secretary, Indo-Taiwan International Workshop at ISF College of Pharmacy, Moga | 14 th -15 th Dec. 2011 |
| Chairman, Scientific Committee ,16 th Annual National Convention of Association of Pharmaceutical Teachers of India on at ISF College of Pharmacy, Moga, Punjab | 7-9 th Sep. 2011 |
| Member, AICTE sponsored National Seminar on Rational use and clinical trial of drugs at ISFCP, Moga | 26-27 th Feb 2011 |
| Chairman, Souvenir and Abstract Committee, 47 th Annual Conference of Indian Hospital Pharmacy Association at ISF College of Pharmacy, Moga | 30-31 st 2010 |
| Member, Scientific Committee, Silver Jubilee Conference of Indian Pharmacy Graduates Association at ISFCP, Moga | 7-8 th 2009 |

F. REVIEWER OF JOURNALS

Nature Communication, Plos One, ACS Nano, RSC Advances, Journal of Controlled Release, Biomaterials, Macromolecular Research, AAPS PharmSciTech, Drug Delivery, Journal of Drug Targeting, Journal of Colloidal and interface science, Current Nanoscience, Journal of Microencapsulation, Indian J Pharm Sci, Res Pharmaceutica, Nanoscale, Current Pharmaceutical Design, Current Drug Delivery, International Journal of Pharmaceutics, Drug Development and Industrial Pharmacy, Artificial Cells, Blood Substitutes, and Biotechnology: An International Journal, African Journal of Microbiology Research etc.

G. REVIEWER OF RESEARCH PROJECTS:

- NATIONAL
 - Department of Biotechnology, Govt. of India, New Delhi
 - Department of Science and Technology, Govt. of India, New Delhi
- INTERNATIONAL
 - Swiss Cancer League, Swiss Cancer Research, Effingerstrasse, CH-3001 Berne, Switzerland
 - Medical Research Councils, UK
 - French Research Agency project's financing (ANR), PARIS, France

H. PROFESSIONAL TRAINING RECEIVED:

| S. No | Name of Training | Organization where training was received | Year | Duration |
|-------|---|--|------|----------|
| 1. | AICTE SDP on “Modern sophisticated Analytical Tech.& their application | ISFCP, Moga | 2011 | 15 days |
| 2 | AICTE Sponsored SDP on Advances in drug delivery approaches and their analytical tool | Dr. H. S. G. Univ. Sagar, M.P. | 2005 | 15 Day |

I. PROFESSIONAL MEMBERSHIP

- Membership of Professional Bodies/Organizations

| S. No. | Name of the Professional Body |
|--------|--|
| 1 | Life Member, Associate of Pharmaceutical teachers of India, Bangalore, India |
| 2 | Life Member, Indian Aerosol Science and Technology Association, Mumbai, India |
| 3 | Member, Controlled release society, India chapter |
| 4 | Member, European Federation of Biotechnology, Barcelona, Spain |
| 6 | Member, American Nano Society, Green Cove Springs, Florida, USA |
| 7 | Associate Membership, Institute of Nanotechnology, Strathclyde University, Incubator, UK |
| 8. | Life Member, Indian Nano Society, New Delhi |

J. OTHER ACADEMIC AND CORPORATE ACTIVITIES

- Member, Board of Studies in Pharmacy, MRSPTU, Bhatinda
- Member, Board of Studies in Pharmacy, Punjab Technical University, Jalandhar, Punjab
- Member, Board of Studies in Clinical studies, Punjab Technical University, Jalandhar, Punjab
- Scientific Member, Institution animal ethical committee, ISFCP, Moga, Punjab
- Coordinator, Research Advisory Committee, ISFCP, Moga

PARTICIPATION IN UNIVERSITY'S ACTIVITIES AND FUNCTIONING:

| Subject | Role | Date |
|---|-----------------------------------|-------------|
| Anti-Ragging Committee 2019-20 | Convener/Nodal Officer | 15/07/2019 |
| Discipline Committee | Proctor(Member/Secretary) | 15/07/2019 |
| Time table 2019-20 | Invigilator & Examiner | 16/07/2019 |
| Duty Chart First in Sessional 2019-20 | Invigilator & Examiner | 16/07/2019 |
| Consultancy IPR Patent | Member | 17/07/2019 |
| Library Advisory Committee | Member | 17/07/2019 |
| Grievance committee | Member | 29/07/2019 |
| Student Grievance Redressal Committee | Senior Academic Member | 31/07/2019 |
| Orientation Programme | Discipline/ Anti-Ragging | 01/08/2019 |
| Student Grievance Redressal Committee | VC nominee | 02/08/2019 |
| Medicine purchase committee | Member | 09/08/2019 |
| 6 th convocation minutes of the 1st meeting | Event management committee member | 11/09/2019 |
| Procurement of equipment under 2.5 lakhs dept. of pharmacy | Member | 16/09/2019 |
| Finalization of vendor and rates for carrying out the various repairs and maintenance works | Member | 17/09/2019 |

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| Procurement of Auto refractor for health center | Member | 17/09/2019 |
| Interview Panel teaching position in the department of Commerce (Temporary) | vc nominee | 05/11/2019 |
| Constitution of the School board school of education | Member | 13/11/2019 |
| Time table for EOSE and duty chart , paper setting of Depy of Pharmacy of Dec 2019 | Examiner | 28/11/2019 |
| Engagement of visiting doctors | Member | 28/11/2019 |
| Scrutiny committee of assistant professor Dept. of Architecture | Scrutiny member | 03/01/2020 |
| Scrutiny committee of assistant professor Dept. of Chemistry | Scrutiny member | 13/01/2020 |
| Scrutiny committee for the post of Associate Professor and Assistant Professor Dept. of Chemistry | Scrutiny member | 16/01/2020 |
| DRC Meeting of Mr. Rakesh k Sahoo | DRC Member | 23/01/2020 |
| Conduct the biomedical research on human subjects | Member | 31/01/2020 |
| Request for judging the participants in various events of national science day 2020 on 28 feb | Judge | 27/02/2020 |
| Part of measures to prevent the possible spread of COVID 19 | Member | 05/03/2020 |
| M pharm Examination 2019-20 | Examiner | 06/03/2020 |
| Setting up the food testing lab at curaj | Management and planning committee | 12/03/2020 |
| CUCET exam 2020 | Member | 12/03/2020 |
| Proposal for PG teaching program in biotechnology, DBT's | Member | 12/03/2020 |
| Dept. of Vocational Studies and Skill Development | Member | 12/03/2020 |
| Health Facility Committee | Chairman | 17/07/2019 Onwards |
| Consultancy IPR Patent | Chairman | 05/08/2021 Onwards |

Participation in Administrative Functioning:

| Role | Date |
|--|--------------------|
| Head, Dept. of Pharmacy, SCSP | 09/07/2019 Onwards |
| Proctor, CURAJ | 09/07/2019 Onwards |
| Dean, School of Chemical Sciences and Pharmacy | 11/03/2020 Onwards |

LIST OF PUBLICATIONS

| | |
|--------------------------------------|-------------------------------------|
| TOTAL PUBLICATION | 183 |
| INTERNATIONAL | 171 |
| NATIONAL | 12 |
| H INDEX | 52 (as per Google scholar) |
| I 10 INDEX | 146 (as per Google scholar) |
| TOTAL CITATION | 7874 (as per Google scholar) |
| TOTAL IMPACT FACTOR | 582.471 |
| CUMULATIVE AVG. IMPACT FACTOR | 3.18 |

PUBLICATION IN INTERNATIONAL JOURNALS

| S. NO. | TITLE WITH AUTHORS, VOL. YEAR, PAGE, NOS. (REFERENCE) | NAME OF THE JOURNALS | ISSN/ISBN NO. | Impact Factor |
|--------|---|----------------------------------|---------------|---------------|
| 1. | Challenges and Opportunities of Nanotechnological based Approach for the Treatment of Tuberculosis. Rath G, Pradhan D, Ghosh G, Goyal AK. 2021;27(17):2026-2040. | Curr Pharm Des. | 1873-4286 | 3.116 |
| 2. | Diagnostic and therapeutic applications of smart nanocomposite dendrimers. Kumar V, Sahoo RK, Basak T, Yasmin T, Gupta U, Goyal AK. 2021 Jan 1;26:518-536. | Front Biosci (Landmark Ed). | 2768-6701 | 4.009 |
| 3. | Recent Advancement in Nanotechnology-Based Drug Delivery System Against Viral Infections D Pradhan, P Biswasroy, A Goyal, G Ghosh, G Rath, 2021, 22 (1), 1-19 | AAPS Pharmscitech, | 1530-9932 | 3.246 |
| 4. | Rakesh K Sahoo, Himani Singh, Kamlesh Thakur, Umesh Gupta and Amit K Goyal*, "Theranostic Applications of Nanomaterials in the Field of Cardiovascular Diseases", 2021; 27. https://doi.org/10.2174/1381612827666210701154305 | Curr Pharm Des. | 1873-4286 | 3.116 |
| 5. | Kaur V, Goyal AK, Ghosh G, Chandra Si S, Rath G. Development and characterization of pellets for targeted delivery of 5-fluorouracil and phytic acid for treatment of colon cancer in Wistar rat. 2020 Jan 30;6(1):e03125. | Heliyon | 2405-8440 | 1.857 |
| 6. | Recent advances in topical carriers of anti-fungal agents. Garg A, Sharma GS, Goyal AK, Ghosh G, Si SC, Rath G. 2020 Aug 19;6(8):e04663. | Heliyon. | 2405-8440 | 1.857 |
| 7. | Recent advances in aerosolised drug delivery. Chandel A, Goyal AK, Ghosh G, Rath G. 2019 Apr;112:108601. | Biomed Pharmacother. | 30780107 | 6.529 |
| 8. | Inhalational drug delivery in pulmonary aspergillosis. Kaur R, Kaur R, Singh C, Kaur S, Goyal AK, Singh KK, Singh B. 2019;36(3):183-217. | Crit Rev Ther Drug Carrier Syst. | 0743-4863 | 4.889 |
| 9. | Development of nanofibrous ocular insert for retinal delivery of fluocinolone acetonide. Singla J, Bajaj T, Goyal AK, Rath G. Biomed Pharmacother. 2019 Apr;112:108601. | Curr Eye Res. | 3057-7701 | 1.693 |

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|-----|---|---|------------|-------|
| 10. | Recent advancement in nanocarriers for oral vaccination. Kour P, Rath G, Sharma G, Goyal AK. 2018;46(sup3):S1102-S1114. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 11. | Development and characterization of novel medicated nanofiber for the treatment of periodontitis. Deepak A, Goyal AK, Rath G. 2018 Nov;19(8):3687-3697. | AAPS PharmSciTech. | 1530-9932 | 3.246 |
| 12. | Development and characterization of gastroretentive high-density pellets lodged with zero valent iron nanoparticles. Sharma A, Goyal AK, Rath G. 2018 Oct;107(10):2663-2673. | J Pharm Sci. | 2993-6203 | 3.534 |
| 13. | Advancement in the treatment of haemophilia. Bhardwaj R, Rath G, Goyal AK. 2018 Oct 15;118(Pt A):289-295. | Int J Biol Macromol. | 2992-8908 | 6.953 |
| 14. | Recent advances in nanosuspension technology for drug delivery. Arora D, Khurana B, Rath G, Nanda S, Goyal AK. 2018;24(21):2403-2415. | Curr Pharm Des. | 1873-4286 | 3.116 |
| 15. | Non-invasive systemic drug delivery through mucosal routes. Goyal AK, Singh R, Chauhan G, Rath G. 2018;46(sup2):539-551. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 16. | Efaverinz and nano-gold-loaded mannosylated niosomes: a host cell-targeted topical HIV-1 prophylaxis via thermogel system. Malik T, Chauhan G, Rath G, Kesarkar RN, Chowdhary AS, Goyal AK. 2018;46(sup1):79-90. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 17. | Recent advances in metal nanoparticles in cancer therapy. Sharma A, Goyal AK, Rath G. 2018 Sep;26(8):617-632. | J Drug Target. | 1061- 186X | 3.38 |
| 18. | Development of Drug Targeting and Delivery in Cervical Cancer. Aggarwal U, Goyal AK, Rath G. 2018;18(8):792-806. | Curr Cancer Drug Targets. | 2903-2751 | 2.912 |
| 19. | Nanofibers: An Effective Tool for Controlled and Sustained Drug Delivery. Singh A, Rath G, Singh R, Goyal AK. 2018 Feb 14;15(2):155-166. | Curr Drug Deliv. | 1567-2018 | 2.565 |
| 20. | Chemotherapy with si-RNA and Anti-Cancer Drugs. Kaur K, Rath G, Chandra S, Singh R, Goyal AK. 2018;15(3):300-311. | Curr Drug Deliv. | 1567-2018 | 2.565 |
| 21. | Recent Advances in Metal Nanoparticles in Cancer Therapy, Sharma A, Goyal AK, Rath G. 2017 Nov 2:1-45. [Epub ahead of print] | J Drug Target. | 1061- 186X | 3.38 |
| 22. | Nanofibers: An effective tool for controlled and sustained drug delivery. Singh A, Rath G, Goyal AK. 2017 Oct 2. [Epub ahead of print] | Curr Drug Deliv. | 1567-2018 | 2.565 |
| 23. | NANOFIBER IN TRANSMUCOSAL DRUG DELIVERY, Deepak A., Goyal Ak., Rath G. (accepted), 2017 | Journal of Drug Delivery Science and Technology | 1773-2247 | 3.981 |
| 24. | Chemotherapy With Si-Rna And Anti-Cancer Drugs. Kaur K, Rath G, Chandra S, Singh R, Goyal AK. Curr Drug Deliv. 2017 May 18. [Epub ahead of print] | Curr Drug Deliv. | 1567-2018 | 2.565 |
| 25. | A novel approach for follicular delivery of minoxidil for treatment of alopecia M Maitra, AK Goyal, G Rath 41, 113-123 | Journal of Drug Delivery Science and Technology | 1773-2247 | 3.981 |
| 26. | Development and characterization of the cisplatin loaded nanofibers for the treatment of cervical cancer, Urvasi Aggarwal, Amit Kumar Goyal, Goutam Rath, 2017, 75, 125-132 | Materials Science and Engineering: C | 0928-4931 | 7.328 |
| 27. | "Fusion and binding inhibition" key target for HIV-1 treatment and pre-exposure prophylaxis: targets, drug delivery and nanotechnology approaches. Malik T, Chauhan G, Rath G, Murthy RS, Goyal AK. 2017 Nov;24(1):608-621. | Drug Deliv. | 1071- 7544 | 6.419 |
| 28. | "Gold nanoparticles composite-folic acid conjugated graphene oxide nanohybrids" for targeted chemothermal cancer ablation: In vitro screening and in vivo | Eur J Pharm Sci. | 0928-0987 | 3.616 |

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| | studies, Gaurav Chauhan, Vianni Chopra, Amit Tyagi, Goutam Rath, Rakesh K Sharma, Amit K Goyal, 2017 Jan 1;96:351-361. | | | |
| 29. | Spray Dried Formulation of 5-Fluorouracil Embedded with Probiotic Biomass: In Vitro and In Vivo Studies. Sharma A, Arora M, Goyal AK, Rath G.2017 Mar 8. doi: 10.1007/s12602-017-9258-x. [Epub ahead of print] | Probiotics Antimicrob Proteins. | 2827-5899 | 3.533 |
| 30. | Role of excipients in development of topical dosage forms, Amit K. Goyal, Goutam Rath, Ranjit Singh, 1(1) 2017, 28-31. | Pharma Horizon | 06817720151 | |
| 31. | Chemotherapeutic evaluation of guar gum coated chitosan nanoparticle against experimental tuberculosis, Goyal AK, Garg G., Murthy RSR, Gupta UD, Vasthala P., Rath G. 2016, 12, 450-463 | J Biomed Nanotech. | 1550-7033 | 4.099 |
| 32. | Development and characterization of cefazolin loaded zinc oxide nanoparticles composite gelatin nanofiber mats for postoperative surgical wounds, Goutam Rath , Taqadus Hussain , Gaurav Chauhan , Tarun Garg , Amit Kumar Goyal , 58, 2016, 242–253 | Materials Science and Engineering: C | 0928-4931 | 7.328 |
| 33. | Advanced topical drug delivery system for the management of vaginal candidiasis. Himmat Singh, Tarun Garg, Goutam Rath, Amit K Goyal. 2016 Feb;23(2) :550-63. | Drug Deliv. | 1071- 7544 | 6.419 |
| 34. | Development of transferosomal gel for trans-dermal delivery of insulin using iodine complex, 2016, 1-9 (early online) | Drug Deliv. | 1071- 7544 | 6.419 |
| 35. | Development and characterization of spray dried porous nano-aggregates for pulmonary delivery of anti-tubercular drugs. Ranjot Kaur, Tarun Garg, Goutam Rath and Amit K Goyal. 2016 Mar;23(3):882-7. | Drug Deliv. | 1071- 7544 | 6.419 |
| 36. | Mucosal vaccination against tuberculosis using ag85a loaded immuno stimulating complex (ISCOMs). Swati Pabreja, Tarun Garg, Goutam Rath and Amit K Goyal. 2016 Mar;44(2):532-9. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 37. | Fabrication and characterization of cefazolin-loaded nanofibrous mats for the recovery of post-surgical wound. Rath G, Hussain T, Chauhan G, Garg T, Goyal Kumar A 2016 Dec;44(8):1783-1792. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 38. | Preparation and characterization of spray-dried inhalable powders containing nanoaggregates for pulmonary delivery of anti-tubercular drugs. Kaur R, Garg T, Das Gupta U, Gupta P, Rath G, Goyal AK. 2016 Feb;44(1):182-7. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 39. | Recent advancements in the cardiovascular drug carriers. Baljit Singh, Tarun Garg, Goutam Rath, Amit K Goyal. 2016 Feb;44(1):216-25. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 40. | Nanofibers as Novel Drug Carrier – An Overview. Asif Morie, Tarun Garg, Goutam Rath, Amit K Goyal. 2016 Feb;44(1):135-43. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 41. | Development of Trans Cinnamon Aldehyde Loaded Multiple Emulsion: Herbal Contraceptive Microbicide Formulation, Aman Kumar Sharma, Tarun Garg, Goutam Rath, and Amit K. Goyal, Vol. 5, 1–10, 2016 | Journal of Colloid Science and Biotechnology | 2164-9634 | NA |
| 42. | Probiotics in Human Health, Amit K. Goyal, Tarun Garg, & Goutam Rath, 7(1–2): 17–31 (2016) | Forum on Immunopathological Diseases and Therapeutics | 2151-8017 | NA |

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| 43. | Advanced drug delivery approaches against periodontitis. Deeksha Joshi, Tarun Garg, Amit K Goyal, Goutam Rath. 2016 Feb;23(2):363-77. | Drug Deliv | 1071- 7544 | 6.419 |
| 44. | Permeation enhancer strategies in transdermal drug delivery. Harneet Marwah, Tarun Garg, Amit K Goyal, Goutam Rath 2016; 23(2): 564-78. | Drug Deliv. | 1071- 7544 | 6.419 |
| 45. | Development, optimization & evaluation of polymeric electrospun nano fiber: tool for local delivery of fluconazole to management of vaginal candidiasis. Rahul Sharma, Tarun Garg, Amit K Goyal and Goutam Rath. 2016; 44(2):524-31. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
| 46. | Pulmonary delivery of antitubercular drugs using spray-dried lipid-polymer hybrid nanoparticles. Bhardwaj A, Mehta S, Yadav S, Singh SK, Grobler A, Goyal AK, Mehta A. 2016 Sep;44(6):1544-55. | Artif Cells Nanomed Biotechnol. | 1073-1199 | 3.343 |
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