

CURRICULUM VITAE

Dr. Ashish D Wadhvani, M. Pharm, Ph.D.
Professor and Head
Faculty of Health Science, School of Pharmacy
JSS Academy of Higher Education and Research, Mauritius



Cell No: +91-8903638815 ; +230-57130426

Tel office: +230 - 4273093

E-mail: dradwadhvani@jssuni.edu.in
adwadhvaniad@gmail.com

i) PROFESSIONAL EXPERIENCE (Total: 12 Years 1 month)

Industry: 1 Year 1 month

Teaching: 11 Years

Professor and Head, Faculty of Health Sciences, School of Pharmacy, JSS Academy of Higher Education and Research, Mauritius (December 2020 to present)

Assistant Professor and Head, Dept. of Pharmaceutical Biotechnology, JSS College of Pharmacy, Ooty, Tamil Nadu, India (December 2015 to November 2020)

Assistant Professor, Dept. of Pharmaceutical Biotechnology, JSS College of Pharmacy, Ooty, Tamil Nadu, India (November 2014 – November 2015).

Research Associate, Under DBT-ICMR joint proposal for HIV/AIDS and microbicides at National AIDS Research Institute, Pune, Maharashtra, India (September 2013 – October 2014)

Senior Research Fellow, Under CSIR project, Dept. of Pharmaceutical Biotechnology, JSS College of Pharmacy, Ooty, Tamil Nadu, India (January 2010 to August 2013)

ii) ACADEMIC QUALIFICATION

B.Pharm. –

P.E.S College of Pharmacy, Bangalore, affiliated to Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka, India (2002-2007)

M. Pharm. (Pharmaceutical Biotechnology) –

J.S.S. College of Pharmacy, Ootacamund, affiliated to The Tamil Nadu Dr. M.G.R. Medical University, Chennai, Tamil Nadu, India (2007-2009)

Ph.D. (Pharmaceutical Biotechnology) -

J.S.S. College of Pharmacy, Ootacamund, affiliated JSS University, Mysuru, Karnataka, India (2010-2013)

PG Diploma in Industrial Biotechnology (PGDIB) –

Bioinformatics Institute of India, Noida, New Delhi, India (2008-2009)

iii) AREA OF RESEARCH

• Research and Development

- ✓ Transdermal Drug Delivery System – Microneedle based approach
- ✓ Antiviral and Anticancer New Molecules

- ✓ Microbiology & Molecular Biology
- **Pharmaceutical Technology**
 - ✓ Pharmaceutical Quality Control Laboratory Personnel
 - ✓ Control of Microbial Contamination in Sterile and non Sterile Products
 - ✓ Bio-safety of Biological Drug products
- **Focused Area of research on;**
 - ✓ Developing cell based assays for screening natural products and small molecules;
 - ✓ Discovering new chemical entities against HSV and HIV; and other enveloped and non enveloped viruses;
 - ✓ Biological mechanisms undergoing viral entry and pathogenesis;
 - ✓ Cancer Biology: Understanding the mechanism of nano materials for active targeting and enhancing apoptosis activity in colorectal and breast cancer *in vitro* and angiogenesis assays.

iv) PROJECT WORK GUIDED / GUIDING

UG (B. Pharm.): **25** PG (M. Pharm.): **12** Ph.D. (Guide): **03** (Co-guide): **16**

v) FELLOWSHIPS RECEIVED

- ✓ International Fellowship received from **Department of Science and Technology** to undergo "**Antiviral Screening- *In vitro* and *In vivo***" at Kyushu University of Health and Welfare, Nobeoka, **Miyazaki, Japan** 19th Sep. to 12th Oct. 2012
- ✓ Travel Grant received for various conferences attended at **Amsterdam, Malaysia, Sri Lanka, Singapore and USA** which was **sponsored by Government of India agencies viz. DST, ICMR, CSIR, IPA-Mumbai & Nilgiri's Local Branch and Antiviral Research Society, USA**
- ✓ **CSIR- Senior Research Fellowship** received for the Ph.D. program between 2011- 2013

vi) PROJECTS ONGOING (05)/COMPLETED (01)

- ✓ **Principal Investigator** for the sanctioned project entitled "**Therapeutic efficacy of selected probiotics and expression/suppression of proteins in triple negative breast cancer cells - A role of probiotics in cancer therapy**" funded by ICMR, New Delhi (2022-2025)
- ✓ **Principal Investigator** for AICTE project entitled "**Modernization of Mammalian Cell Culture Laboratory in Pharmaceutical Biotechnology**" [1-4237569506]" funded by AICTE under the scheme MODERNISATION AND REMOVAL OF OBSOLESCENCE (MODROBS), New Delhi (2020-2022 - Ongoing)
- ✓ **Co-investigator** for Sanctioned project entitled "**Health in hands on board – An exhibition cum workshop for popularizing pharmaceutical sciences and its impact on the health among school children [DST/37374]**" funded by Department of Science and Technology, Science, Technology, Engineering, Mathematics, Medicine (STEMM) –India Initiative" (Bharat Vigyan Darshan), Government of India, New Delhi (2019-2022 - Ongoing)
- ✓ **Co-investigator** for ongoing DST nano science project entitled "**Adipocyte specific delivery of oral thiazolidinedione nanoparticles functionalized**

with RGD and P3 peptides to reduce side effects and improve efficacy [DST/NM/NB/2018/227]” funded by Department of Science and Technology, Government of India, New Delhi (2018-2021 - Ongoing).

- ✓ **Co-investigator** for ongoing DBT-NE, Twinning project entitled “**Death receptor-5 targeted lipid nanoparticles of γ -secretase inhibitor for simultaneous targeting of breast cancer cells and cancer stem cells [BT/PR24607/NER/95/772/2017]**” funded by Department of Biotechnology, Government of India, New Delhi (2018-2021 - Ongoing).
- ✓ **Principal investigator** for DBT-NE, Twinning project entitled “**An effective treatment approach of T- Cell induced auto immune diabetes through Sitagliptin-Anti CD4 immuno nano conjugates in BALB/C mice [BT/521/NE/TBP/2013]**” funded by Department of Biotechnology, Government of India, New Delhi (2014-2018 - Completed).

vii) PUBLICATIONS – h index: 10

International: 55

National: 10

Book Chapters: 03

viii) PRESENTATIONS / GUEST LECTURES

International: 08

National: 40

Guest Lectures: 32

ix) LEADERSHIP ROLE / SIGNIFICANT CONTRIBUTIONS / ORGANIZATION SKILLS

- ✓ **Head of the Department** – Governing the activities of the department – Focus on research and consultancy (generated 10 L + in last three years from Industry and academia); admissions and administration etc.
- ✓ Internal Auditor & Quality Management System Certificate holder as per ISO 15189-2012 and ISO/IEC 17025:2005 conducted by Foundation for Quality, Mumbai (India) for National Accreditation Board for Testing and Calibration Laboratories (NABL) Govt. of India.
 - Outcome – As **NABL Coordinator** – The Drugs Testing Laboratory, JSS College of Pharmacy, Ooty is accredited (2016-2018) & re accredited (2018-2020).
- ✓ **Nodal Officer II**– for NIRF ranking of the Institute from 2016 to till date – work in close association with coordinator and Principal to take JSSCPO to greater heights.
- ✓ Serving as active coordinator/member for **NAAC (Incharge of Criteria 7), ACPE, ISO, QS, THE** ranking/rating/accreditation/certification process etc.
- ✓ **Subject coordinator** for PG Diploma in Bioinformatics for **Online Distance Learning** for JSS AHER, Mysuru

PROGRAMMES ORGANIZED

As Organizing Secretary/Programme Coordinator -

- ✓ A **3-Day National Workshop** on Hands-on Training on Cell Culture Techniques, Cell Proliferation Assays and Gene Expression Analysis by RT-PCR" to be held on 14th – 16th July, 2016 sponsored by DBT, New Delhi & JSS AHER, Mysuru
- ✓ **Quality Improvement Programme (QIP)** on "Prospective approach on biotechnology in modern research" sponsored by AICTE, New Delhi, 15-21st February, 2016
- ✓ **THERMO DAY** "Seminar on Advances in Chemical and Microbiological Food Safety Analysis" by Thermo Fisher, Mumbai on 5th October, 2018
- ✓ **Quality Improvement Programme (QIP) On** "Prospective Approach on Advanced Biotechnology, Cell Culture and Bioinformatics In Modern Research" 1st – 14th March 2019 sponsored by AICTE, New Delhi
- ✓ **One day workshop** on "Demonstration and Hands on Training in Gene Expression Analysis by RT-PCR" on 14th March 2019
- ✓ **Summer Internship and Training Program** on "Biotechnology, Cell Culture and Bioinformatics in Research" 6th May 2019 to 24th May 2019
- ✓ **Joint coordinator** – Pharmacy Council of India sponsored CEP for pharmacy teachers on "Current perspectives and challenges in teaching and learning" was organized by Pharmacy Education Unit and Department of Pharmacy Practice on 21-23rd September, 2018

x) PROFESSIONAL AFFILIATIONS

Member:	Indian Pharmaceutical Association, Mumbai, India
Member:	Society of Biotechnologist, India
Secretary:	Antiviral Research Society, India
Member:	International Society for Antiviral Research, USA
Member:	Asian Federation for Pharmaceutical Sciences, Tokyo, Japan
Advisor:	Wiley Science Advisor, Wiley Group.
Secretary:	Pharmacy Education Unit of JSS College of Pharmacy, Ooty
Coordinator:	National Accreditation Board for Testing and Calibration Laboratories (NABL), JSSCP, Ooty.
Member:	Academic Council, JSS Academy of Higher Education & Research, Mysuru
Member:	Board of Studies in Pharmaceutical Sciences, JSS Academy of Higher Education & Research, Mysuru
EC member:	Indian Pharmaceutical Association, Nilgiris Local Branch for two terms (2016-18)

xi) NATIONAL / INTERNATIONAL RECOGNITIONS

- ✓ **Selected as BIRAC NBM fellow and** attended Biomanufacturing workshop at Indian Institute of Technology, Delhi 10-12th Dec 2019
- ✓ **Antiviral Research Fellow:** Nominated as Antiviral Research Fellow 2017 by Antiviral Research Society of India awarded on 24-25 Oct. 2017
- ✓ **Technical Expert:** Molecular Diagnostic laboratory, **National Institute of Biologicals**, Ministry of Health and F.W., Govt. of India (2016-18, 2018-20).
- ✓ Reviewer for National and International Peer Reviewed Journals

- ✓ **Member of Antimicrobial Resistance (AMR)** for drafting antibiotics' use guidelines and articles for media sensitization from **Pharmacy Council of India**, New Delhi
- ✓ **Mentor of Change by Atal Thinkering Lab an initiative of Govt. of India (2018-2020)**
- ✓ **Quality of Life Member of the Kyushu University of Health and Welfare, Japan (2012 onwards)**

xii) other activities & awards etc.

Sl. No.	Details
1.	Award: Received Best Poster Award for the paper entitled "Inhibitory effect of Anti-HSV drug acyclovir on cultured human cancer cells - A drug repurposing approach" at 16 th Asia Pacific Biotechnology Congress, 15-16 th August 2018 , Singapore organized by Conference series in association with University of Singapore, Singapore.
2.	Travel Grant: Received CSIR foreign partial financial assistance and JSS AHER travel grant for attending 16 th Asia Pacific Biotechnology Congress 2018 , Singapore.
3.	Leadership Development Program: Selected and Participated in 2 nd Leadership Development Conclave, 21-24 th November 2018 organized by JSS AHER, Mysuru
4.	Research Fellow Award: Nominated as 'Antiviral Research Fellow 2017' award by Antiviral Research Society of India in association with International Antiviral Research Society, USA awarded on 24th October 2017 , Madurai, India
5.	Leadership Development Program: Selected and participated in 1 st University Leadership Program, 18-19 th February 2017 at JSSCP, Ooty
6.	Best Research presentation award - 1 st International Conference on Biotechnology and Biosciences, University of Colombo, Srilanka, 14-15 th Jan 2016
7.	Best Research Paper Award 2015 - Received Best Research Paper Dr. P.D.Sethi Memorial Annual Award 2015 for the research paper in Indian Journal of Experimental Biology, Vol 53 Feb 2015 pp 98-103.
8.	IQAC joint coordinator- Actively assisting Principal for preparing monthly reports of the achievements and activities of the college.
Students Corner (Awards and Achievement under my mentorship) -	
2018-19 (Last one year)	
1.	Ms. Baishali Jana, Research Scholar received Senior Research Fellowship from ICMR , New Delhi - Oct 2018 .
2.	Ms. Divyabharathi M. received Tamil Nadu Pharmaceutical Science Welfare Trust - G Rangachari Memorial Award - First Prize for her II M. Pharm Dissertation work - Nov 2018
3.	A group of PG students under the guidance of Dr. Ashish Wadhvani have been awarded with Tamilnadu State Council for Science and Technology (TNSCST) - Students project

	scheme scholarship of Rs. 7500/- for their group project. – January 2019
4.	Ms. Baishali Jana under the guidance of Dr. Ashish Wadhvani received best paper presentation award at 2nd International Conference on Recent Trends in Bioengineering (ICRTB 2019) organized by MIT ADT University School of Bioengineering Science & Research, Pune 16th Feb 2019 .
5.	Ms. Divyabharathi M and Ms. Smita Dey under the guidance of Dr. Ashish Wadhvani had received first prize for oral presentation and first prize for poster presentation at International conference on Expanding Horizons in Health, Disease and Pharmaceutics. Organized by Avinashilingam institute for Home science and Higher education, Coimbatore on 21st and 22nd of February 2019 .
6.	Mr. Sai Akilesh received best abstract award and scholarship to participate in <i>International Science Symposium on HIV and Infectious Diseases (ISSHID 2019)</i> symposium October 12th-14th at SRIHER, Chennai
7.	Ms. Baishali Jana received " Young Researcher Award 2019 - 2nd Rank " under Innovative Ideas & Patents Category at 2nd National Biomedical Research Competition at PGI, Chandigarh, 17th Nov 2019
8.	Mr. Sai Akilesh received best paper award in International Conference on Herbal Drug Standardization organized by Antiviral Research Society, India 14-15 th Dec 2019
9.	Ms. Shefali Deo won the Novarties Biotechnology Leadership Camp (BioCamp) 2019 (Oct 13-16, 2019).

xiii) Patent: Published: 02

1. Tissue engineered acellular scaffold for the treatment of diabetic wounds.

Dr. Karri V V S Narayana Reddy Mr. Bharat Kumar Reddy Sanapalli Ms. Rishita Tyagi Dr. Gowthamarajan Kuppusamy Dr. Praveen Thaggikuppe Krishnamurthy **Dr. Ashish Devidas Wadhvani**. Application no. **202041027368** published on: 27/06/2020

2. A Process for Fabrication of the Transdermal Dissolving Microneedle Patch for the Controlled Release of Insulin

Baishali A Jana, Riyaz Ali Osmani, Sanket Jaiswal, Rinti Banerjee, Veera Venkata Satyanarayana Reddy Karri, **Ashish Devidas Wadhvani**. Application no. **2807210012465**

REFERENCES

Dr. B. Suresh, M. Pharm., Ph.D., FIC
Pro Chancellor
 JSS Academy of Higher Education &
 Research, Mysuru, India
 Ph: + 91-821-2548391
 E-mail: sureshbhojraj@gmail.com

Dr Praveen Mohadeb
Chief Executive Officer
 JSS Academy of Higher Education and
 Research, Mauritius
 Tel: +230 4273093
 Cell: +230 52572503
 E-mail: mohadeb@intnet.mu

xiii) PERSONAL PROFILE

Name: Dr. Ashish Wadhvani
Father's Name: Dr. D. B. Wadhvani
Permanent Address: Wadhvani Hospital Building,
Kankiya Plot, Near Bus Stand
Jetpur 360370, Dist: Rajkot, Gujarat
Date of Birth: 21.04.1985
Age: 36 Years
Gender: Male
Nationality: Indian
Religion: Hindu
Category: General
Languages Known: English, Sindhi, Hindi, Gujarati, Punjabi and Tamil

Declaration

I, Dr. Ashish Devidas Wadhvani hereby declare that the information and data given above are correct to the best of my knowledge.

(Ashish Wadhvani)

Station: Ooty

Date: 01.01.2022

LIST OF PUBLICATIONS

1. Sai Akilesh, **Ashish Wadhvani** Novel Applications of Nanotechnology in Controlling HIV and HSV Infections, *Current Drug Research Review*, 2021;13(2):120-129. doi: 10.2174/2589977512999201124121931.
2. Sai Akilesh, **Ashish Wadhvani*** Nanotechnology- based Drug Delivery...Potential, Progress and the Way Forward..." *Pharma Focus Asia Magazine* (One of the leading Pharma Magazine) Issue 45 Page no. 24-27, 2021
3. Sai Akilesh, **Ashish Wadhvani***, Manas Mandal, Role of nanotechnology in HIV diagnosis and prognosis, 2021, 5, 140-174, *Frontiers in Clinical Drug Research - HIV*
4. Baishali Jana, Ashish Wadhvani, Book Chapter
5. Sai M. Akilesh, Rajesh J., Dhanabal Palanisamy, **Ashish Wadhvani*** Repositioning of Drugs to Counter COVID-19 Pandemic - An Insight. *Current Pharmaceutical Biotechnology*, 2021; 22 (2): 192-199 **(IF:2.10)**
6. Srikanth Jupudi, Mohammed Afzal Azam & **Ashish Wadhvani** Design, synthesis and molecular modelling of phenoxyacetohydrazide derivatives as Staphylococcus aureus MurD inhibitors. *Chemical Papers*, 2021; 75, 1221-1235 **(IF: 1.680)**
7. Vidyasrilekha Yele, Mohammad Afzal Azam, **Ashish D. Wadhvani** Synthesis, Molecular Docking and Biological Evaluation of 2-Aryloxy-N-Phenylacetamide and N'-(2-Aryloxyoxyacetyl) Benzohydrazide Derivatives as Potential Antibacterial Agents. *Chemistry and Biodiversity*, 2021; 18 (4); 110-119 **(IF: 2.039)**
8. Uma Krithika, Prabhakaran Prabitha, Subhankar P. Mandal, Sivamani Yuvaraj, Durai Priya, **Ashish Wadhvani**, Bommenahally Ravanappa Prashantha Kumar. Development of Novel Rhodanine Analogs as Anticancer Agents: Design, Synthesis, Evaluation and CoMSIA Study. *Medicinal Chemistry* 2021; 17(3): 216- 229 **(IF:6.205)**
9. Baishali A. Jana, Ujwala Shinde, **Ashish Wadhvani***, Preparation of enzyme based polymeric biomimetic nanoparticle for the controlled release of insulin. *Sensing and Bio-Sensing Research*, 2020; 28: 100342: 1-6 **(Q1)**
10. M Divyabharathi, M Sai Akilesh, J Rajesh, **Ashish D Wadhvani***. Evaluation of the inhibitory effect of anticancer drugs 5-Fluoro Uracil and Gemcitabine on HSV - 1 & 2 Infections – A Drug Repurposing Approach. *BMC Infectious Diseases* 2020, 20(Suppl 1):324; 47 **(IF:3.01)**
11. **Ashish Wadhvani***, Selvam P, Viral Patel, Masahiko Kurokawa, Vijayan P
In vitro and in vivo effect of phytosterols isolated from Sida Cordifolia L. extracts against HSV-1 infection. *BMC Infectious Diseases* 2020, 20(Suppl 1):324; 67 **(IF:3.01)**
12. M Divyabharathi, J Rajesh, M Sai Akilesh, **Ashish D Wadhvani***, P Selvam. Efficacy of anticancer drugs 5-Fluoro uracil and Gemcitabine on HIV-1 infections – A Drug Repurposing Approach. *BMC Infectious Diseases* 2020, 20(Suppl 1):324; 46 **(IF:3.01)**

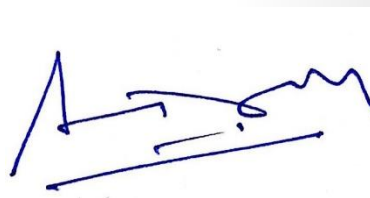
13. Sai Akilesh M, **Ashish Wadhvani*** Novel Applications of Nanotechnology in Controlling HIV and HSV Infections. *Current Drug Research Reviews*. 2020;13: 1-10
14. Arisha Taj Mahaboob Batcha, **Ashish Wadhvani*** and Gowri Subramaniam, In vitro antiviral activity of BanLec against herpes simplex viruses type 1 and 2. *Bangladesh J Pharmacol* 2020; 15: 11-18 (**IF:1.04**)
15. Aparna Palshetkar, Navin Pathare, Nutan Jadhav, Megha Pawar, **Ashish Wadhvani**, Smita Kulkarni and Kamalinder K. Singh, In vitro anti-HIV activity of some Indian medicinal plant extracts. *BMC Complementary Medicine and Therapies*. 2020; 20:69: 1-11 (**IF: 3.02**)
16. K. Naveen Kumar, L.Vijayalakshmi, Pyung Hwang, **Ashish D. Wadhvani**, Jungwook Choia, Bright red-luminescence of Eu³⁺-Ion-activated La₁₀W₂₂O₈₁ microphosphors for noncytotoxic latent fingerprint imaging. *Journal of Alloys and Compounds*, 840, 5 2020; 155589: 1-10 (**IF – 4.175**).
17. Selvaraj Jubie, Shyam Sundar, Neetu Yadav, Podila Naresh, **Ashish Wadhvani**, Jawahar Natarajan. A New Class of Coumate Benzimidazole Hybrids as BRCA 1 Mimetics Through Unconventional Binding Mode; Synthesis and Preliminary Cytotoxicity Screening. *Curr Comput Aided Drug Des* 2020;16(6):786-801 (**IF: 1.30**)
18. Rajesh J, Sai Akilesh M and **Ashish D Wadhvani***, In-Vitro, Ex-Vivo and In-Vivo Experimental Models for Evaluation of Probiotics for Cancer Therapy. *Journal of Critical Reviews*. 2020; 17 (6): 2020: 796-803
19. Shyam Sundar P, Podila Naresh, Justin A, Ashish Wadhvani, Suresh Kumar M, Selvaraj Jubie* Dual Modulators of p53 and Cyclin D in ER Alpha Signaling by Albumin Nanovectors Bearing Zinc Chaperones for ER-positive Breast Cancer Therapy. *Mini-Reviews in Medicinal Chemistry*. 2021; 21 (7): 792 – 802 (**IF:3.52**)
20. Smita Dey, Sai Akilesh M, **Ashish Wadhvani*** Success of Nanotherapy in the Treatment of Cancer – An Overview. *International Journal of Pharmaceutical Research*. 2020; 12 (3): 1218-1225.
21. Aneena Suresh, Smruthy Ann Mathew, Vikashini Subramani, Annie Elias, Ashish D. Wadhvani, Rajesh Raman. A prospective cross-sectional study on assessment of antibiotic susceptibility pattern in patients with respiratory tract infections in Nilgiris district. *Journal of Applied Pharmaceutical Science* 2020; 10(02): 067-071.
22. Antony Justin, Subhankar Mandal, P. Prabitha, S. Dhivya, S. Yuvaraj, Pradeep Kabadi, Satheesh John Sekhar, C. H. Sandhya, **Ashish D. Wadhvani**, Selvaraj Divakar, Jeyabalan Jeyaram Bharathi, Priya Durai & B. R. Prashantha Kumar Neurotoxicity Research 2020; 37: 508–524 (**IF:2.99**)
23. Vasudha A, **Ashish W***, Divyabharathi M, Praveen TK, Viral P, Srikanth J. In vitro efficacy of anti-HSV drugs on breast cancer cells MCF-7 & MDA-MB- 231 - A drug repurposing approach. *International Journal of Pharmaceutical Research*. 2020, 9; 12 (2): 514-23

24. Rajesh J, Sai AM and **Ashish DW***. In-Vitro, Ex-Vivo and In-Vivo Experimental Models for Evaluation of Probiotics for Cancer Therapy. *Journal of Critical Reviews*. 2020, 4; 17 (6): 796-803.
25. Rajan Kumar, Rubiya Khursheed, Rakesh Kumar, Ankit Awasthi, Neha Sharma, Shelly Khurana, Bhupinder Kapoor, Navneet Khurana, Sachin Kumar Singh, Kuppusamy Gowthamarajan, **Ashish Wadhvani** Self-nanoemulsifying drug delivery system of fisetin: Formulation, optimization, characterization and cytotoxicity assessment. *Journal of Drug Delivery Science and Technology* Volume 54, December 2019, 101252 (**IF: 3.92**)
26. Smita Dey, Karri V. V. S. Narayana Reddy, **Ashish Wadhvani** * Doxorubicin And Chloroquine: A Combination Therapy To Overcome The Multi Drug Resistance In Cancer - A Review. *International Journal of Pharmaceutical Sciences and Research*, 2019, Vol 10, Issue 12, 1000-08
27. K. A. Janani, T. K. Praveen and **Ashish Wadhvani*** Experimental Models to Study Tumour Angiogenesis – In-Vitro, Ex-Vivo And In-Vivo Approach. *International Journal of Pharmaceutical Sciences and Research*, Vol 10, I 8, 3648-3659.
28. Selvaraj Jubie, Basheer A, Neetu Yadav, **Ashish Wadhvani**, Mohammed Afzal Azam, Synthesis and evaluation of coumate analogues as estrogen receptor inhibitors for breast cancer therapy, *Int. J. Res Pharm Sci*, Vol 10, issue 3, 2019, 2218-2224.
29. Baishali A. Jana, **Ashish D. Wadhvani***, Shinde Ujwala. Hypoxia-Sensitive Synthetic Nanovesicles for Closed Loop Glucose Responsive Release of Insulin, *DIABETES TECHNOLOGY and THERAPEUTICS*, 2019, 22, 65.
30. Baishali A Jana, **Ashish D Wadhvani***, Microneedle - A Closed Loop Hypoxia Sensitive Intradermal Insulin Delivery System For The Management Of Diabetes, *Diabetes Technology And Therapeutics*, 2018, 20, 55.
31. Divyabharathi Mani, **Ashish Wadhvani***, Praveen Thaggikuppe Krishnamurthy, Drug Repurposing in Antiviral Research: A Current Scenario, *J Young Pharm*, 2019; 11(2) : 117-121
32. Baishali A. Jana, **Ashish D. Wadhvani*** Microneedle – Future prospect for efficient drug delivery in diabetes management, *Ind J Pharmacol*, 51 (1), 4-10
33. **Ashish Wadhvani***, Baishali A Jana, MICRONEEDLE ARRAY PATCHES The way forward for the management of diabetes, *Pharma Focus Asia Magazine* – 2019, 38-42
34. Selvam P, Vijaykumar T, **Ashish Wadhvani**, Muthulakshmi L, Bioreduction of silver nanoparticles from aerial parts of *Euphorbia Hirta* L. (EH-ET) and its potent anticancer activities against neuroblastoma cell lines, *Indian J Biochem Biophy*, 56, 132-136
35. P. SELVAM AND **A. WADHWANI**, Design and Synthesis of Biogenic Silver Nanoparticles from *Andragaphis paniculata* as Potential Anticancer Agents, *Indian J Pharm Sci* 2019;81(1):173-176
36. Vedpal, Unni Jayaram, **Ashish Wadhvani** & S. P. Dhanabal, Isolation and characterization of flavonoids from the roots of medicinal plant *Tadehagi triquetrum* (L.) H. Ohashi, 2019, <https://doi.org/10.1080/14786419.2018.1561679>

37. Jawahar Natarajan, Sanjeev . C, A Justin , M.R. JeyaPrakash and **Ashish D Wadhvani**, Anjali P B, Design and Evaluation of Aceclofenac Nanoclay for Improved Oral Bioavailability, *J. Pharm. Sci. & Res.* Vol. 11(2), 2019, 671-679
38. Selvaraj Kunjiappan, Panneerselvam Theivendran, Suraj Baskararaj, Bathrinath Sankaranarayanan, Ponnusamy Palanisamy, Govindaraj Saravanan, Sankarganesh Arunachalam, Murugesan Sankaranarayanan, Jawahar Natarajan, Balasubramanian Somasundaram, **Ashish Wadhvani**, Modeling a pH-sensitive Zein-co-acrylic acid hybrid hydrogels loaded 5-fluorouracil and rutin for enhanced anticancer efficacy by oral Delivery, *3 Biotech* 2019 doi.org/10.1007/s13205-019-1720-x
39. Baishali A Jana, **Ashish D Wadhvani***, Microneedle - A Closed Loop Hypoxia Sensitive Intradermal Insulin Delivery System For The Management Of Diabetes, *Diabetes Technology And Therapeutics*, 2018, 20, 55.
40. Baishali A Jana, **Ashish D Wadhvani***, Tiny Needles Offer a Potential Long-lasting Treatment for Retinal Disease, *Asian Journal of Pharmaceutics • Oct-Dec 2018 (Suppl) • 12 (4) | 1127 -1134*
41. Mahesh Thondawada, **Ashish Devidas Wadhvani***, Dhanabal S. Palanisamy, Hanumant Singh Rathore, Ramesh C. Gupta, Pavan Kumar Chintamaneni, Malay K. Samanta, Anil Dubala, Sameer Varma, Praveen T. Krishnamurthy & Kuppusamy Gowthamarajan. An effective treatment approach of DPP-IV inhibitor encapsulated polymeric nanoparticles conjugated with anti-CD-4 mAb for type 1 diabetes. *Journal Drug Development and Industrial Pharmacy.* 2018; 44 (7): 1120-1129
42. Sameer K Panda, **Ashish Wadhvani***, In Vitro & In Vivo Evaluation Of Antiangiogenic Potential Of Docetaxel And Meloxicam – A Drug Repurposing Approach, *Int J Pharma Bio Sci* 2018 July ; 9(3): (B) 308-318
43. Subhankar P. Mandal, Aakriti Garg, P. Prabitha, **Ashish D. Wadhvani**, Laxmi Adhikary and B. R. Prashantha Kumar, Novel glitazones as PPAR γ agonists molecular design, synthesis, glucose uptake activity and 3D QSAR studies, *Chemistry Central Journal* (2018) 12:141, 1-21
44. K. Mohan, Marthong Boss, Atanu Bhattacharjee, **Ashish Wadhvani**, D. Gayathri, D. Velmurugan, Identification And In-Silico Analysis Of Anti-Cancer Compounds From Herbal Mix Of North-East India, *RJLBPCS*, 2018, 4(5) 484 - 497
45. Saurabh Gupta, Gurjeet Thakur, Sandeep Arora, Rama Satyanarayana Raju Kalidhindi, Nilesh S Ambhore, Kannan Elango, **Ashish D Wadhvani**, Md. Afzal Azam, 5-Amino Salicylic Acid and Sodium Salicylate Inhibit Activation of I κ B Kinase and P38 γ MAP Kinase in LPS Induced RAW 264.7 cell, *Der Pharma Chemica*, 2018, 10(4): 75-83.
46. S Jubie, B Bincy, Jameera Begam, **W Ashish**, R Kalirajan & Md Afzal Azam, A new class of human fatty acid synthase inhibitors: Synthesis and their anticancer evaluation, *Indian J Chemistry*, 2018, 57 (B), 671-678
47. Panda Sameer Kumar, Varma Sameer kumar and **Wadhvani Ashish*** Multifarious diagnostic techniques of genetic disorders, *Wide Spectrum*, Vol. 6, No. 6, January (2018), 26- 34
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Dr. Ashish Wadhvani