

DEPARTMENT OF PHARMACEUTICAL BIOTECHNOLOGY

The Department was established in the year **1994 for the first time in India** to strengthen **knowledge, research and training** in the area of Microbiology and Biotechnology

VISION

To be a nodal centre for **Animal Tissue Culture Technology** and development of **Biologics** and **Biosimilar** products by the Year 2020.

MISSION

To equip the pharmacy students with adequate theoretical and practical knowledge in **industrial microbiology, bioprocess technology, animal tissue culture** and other **modern molecular biotechnology** techniques to make them employable in the biotech companies.

Human Resources

Teaching Faculty : 02
Supporting Staff: 02
Student Strength: 05
Ph. D students: 02

Dr. Ashish Wadhvani, M.Pharm., Ph.D.



Asst. Prof. and Head I/c
Cell Biology
Virology



Mr. Nagendramurthy
Lab Assistant

Dr. R. Rajesh Kumar, M.Pharm., Ph.D.



Lecturer
Cancer Biology
Bioinformatics



Mr. S. Gurumoorthi
Lab Assistant

CURRICULUM VITAE

Dr. Ashish D Wadhvani, M. Pharm, Ph.D.
Assistant Professor and Head
Dept. of Pharm. Biotechnology
Jss Academy of Higher Education & Research –
JSS College of Pharmacy
Ooty-643001, Tamil nadu, India
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Phone No: +91-423-2443393 Ext: 217
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adwadhvaniad@gmail.com



i) PROFESSIONAL EXPERIENCE (Total: 09 Years 03 months)

Industry: 1 Year 1 month

Teaching: 8 Years 2 months

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

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 (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 (2009)

Ph.D. (Pharmaceutical Biotechnology) -

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

PG Diploma in Industrial Biotechnology (PGDIB) –

Bioinformatics Institute of India, Noida, New Delhi, India (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.): **10** Ph.D. (Guide): **03** (Co-guide): **11**

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 (04)/COMPLETED (01)

- ✓ **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 (2019-2021 - 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

International: **32**

National: **08**

viii) PRESENTATIONS / GUEST LECTURES

International: **08**

National: **30**

Guest Lectures: **18**

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 24 th 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).

REFERENCES

Dr. B. Suresh, M. Pharm., Ph.D., FIC
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 Tamilnadu, INDIA
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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: 32 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: 01.02.2020

LIST OF PUBLICATIONS

1. 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
2. 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
3. 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.
4. 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.
5. 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.
6. 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.
7. Divyabharathi Mani, **Ashish Wadhvani***, Praveen Thaggikuppe Krishnamurthy, Drug Repurposing in Antiviral Research: A Current Scenario, *J Young Pharm*, 2019; 11(2) : 117-121
8. Baishali A. Jana, Ashish D. Wadhvani* Microneedle – Future prospect for efficient drug delivery in diabetes management, *Ind J Pharmacol*, 51 (1), 4-10
9. **Ashish Wadhvani***, Baishali A Jana, MICRONEEDLE ARRAY PATCHES The way forward for the management of diabetes, *Pharma Focus Asia Magazine* – 2019, 38-42
10. 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
11. P. SELVAM AND **A. WADHWANI**, Design and Synthesis of Biogenic Silver Nanoparticles from *Andragraphis paniculata* as Potential Anticancer Agents, *Indian J Pharm Sci* 2019;81(1):173-176
12. 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>
13. Jawahar Natarajan, Sanjeev . C, A Justin , M.R. JeyaPrakash and **Asish 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

14. 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
15. 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.
16. 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
17. 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
18. 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
19. 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
20. 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
21. 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.
22. 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
23. 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
24. Veera Venkata Satyanarayana Reddy Karri, Thinley Tsomu, Gowthamarajan Kuppusamy and **Ashish Devidas Wadhvani**. Preparation and Evaluation of Spray-on Bandage Incorporated With NSAID. J Pharma and NDDS 2017; 1(1): 13-18
25. Kumar, P.S., Kumar, V.S., **Ashish, W.**, Dhanabal, S.P., Anti-angiogenic effect of hydro-alcoholic extract of Alpinia galanga by chorioallantoic membrane assay. Advanced Science Letters. 23(3) 2017, 1749-1752.

26. Durge, **Ashish Wadhvani**, Pratiksha Jadaun, Ashish A. Chinchansure, Madhukar Said, H. V. Thulasiram, Swati P. Joshi & Smita S. Kulkarni. Acetone and methanol fruit extracts of *Terminalia paniculata* inhibit HIV-1 infection in vitro. *Natural Product Research*. 2017; 31(12): 1468-1471.
27. Vengal Rao P., Praveen TK., Dhanabal SP., **Ashish Wadhvani**, Pavan Kumar C., Anti-angiogenesis potential of ethyl acetate extract of *Moringa oleifera* Lam leaves in chick chorioallantoic membrane (CAM) assay, *Journal of Natural Product Plant Resource*, 2017, 7 (4): 18-22.
28. Siddhartha Venkata Talluri, Gowthamarajan Kuppusamy, Veera Venkata Satyanarayana Reddy Karri, Karthik Yamjala, **Ashish Wadhvani**, SubbaRao V. Madhunapantula, Application of quality-by-design approach to optimize diallyl disulfide-loaded solid lipid nanoparticles, *Artificial Cells, Nanomedicine, and Biotechnology*, 2017, 45 (3), 474-488.
29. Masahiko Kurokawa, **Ashish Wadhvani**, Hisahiro Kai, Muneaki Hidaka, Hiroki Yoshida, Chihiro Sugita, Wataru Watanabe, Koji Matsuno, and Akinori Hagiwara. Activation of Cellular Immunity in Herpes Simplex Virus Type 1- Infected Mice by the Oral Administration of Aqueous Extract of *Moringa oleifera* Lam. Leaves Short title: Activation of cellular immunity by *Moringa oleifera* extract. *Phytotherapy Research*, 2016; 30(5): 797-804.
30. Tummala S, Kuppusamy G, Satish Kumar MN, Praveen TK, **Wadhvani A**. 5-Fluorouracil enteric-coated nanoparticles for improved apoptotic activity and therapeutic index in treating colorectal cancer. *Drug Delivery*. 2016; 23(8): 2902-2910.
31. Tummala S, Gowthamarajan K, Satish Kumar MN, **Wadhvani A**. Oxaliplatin Immuno hybrid nanoparticles for active targeting: an approach for enhanced apoptotic activity and drug delivery to colorectal tumors. *Drug Delivery*. 2016; 23(5): 1773-87.
32. Karri VV, Kuppusamy G, Talluri SV, Mannemala SS, Kollipara R, **Wadhvani AD**, Mulukutla S, Raju KR, Malayandi R. Curcumin loaded chitosan nanoparticles impregnated into collagen-alginate scaffolds for diabetic wound healing. *International Journal of Biological Macromolecules*, 2016; 93(Pt B):1519-1529.
33. Jubie S, **Ashish W**, Sabaritha K, Nishanthini P, Anupriya Thomas, Jibi Antony. Synthesis and In-vitro Anti-Cancer Screening of N1[(Substituted Phenyl) Benzylidene] Benzohydrazides. *Journal of Pharmaceutical Science & Research*. 2016; 8(7): 582-585.
34. Thondawada, M., Mulukutla, S., Raju, K.R.S., Dhanabal, S.P., **Wadhvani, A.D.**, In vitro and In vivo evaluation of *Sida Acuta burm.f.* (Malvaceae) for its anti-oxidant and anti-cancer activity. *Der Pharma Chemica*, 8 (19); 2016, 396-402.
35. Dasam U, Natarajan J, Karri VVSR, **Wadhvani AD**, Antony J and Jeyaprakash MR. Targeting Efficacy of Simvastatin for Hormone-Dependent Carcinomas through Solid Lipid Nanoparticles. *Journal of Nanomedicine and Nanotechnology*. 2016; 7(6): 412-415
36. Jeyaprakash MR, Avnendra Yadav, **Ashish Devidas Wadhvani**, Meyyanathan SN, Genotoxicity Evaluation For The Stress Induced Degradants In Diacerein, *Acta Biomedica Scientia*. 2016;3(4):278-284.
37. Praveen T. Krishnamurthy, Ambalika Vardarajalu, **Ashish Wadhvani**, Viral Patel. Identification and characterization of a potent anticancer fraction from the leaf

extracts of *Moringa oleifera* L. *Indian Journal of Experimental Biology*, 2015; 53; 98-103.

38. Madhukar S. Said, Ashish A. Chinchansure, Laxman Nawale, **Ashish Wadhvani**, Ankita Durge, Smita S. Kulkarni, Dhiman Sarkar & Swati P. Joshi. A new butenolide cinnamate and other biological active chemical constituents from *Polygonum glabrum*. *Natural Product Research*, 2015, 29 (22), 2080-2086
39. Viral Patel, **Ashish Wadhvani**, Vijayan P, Triterpene Fraction of *Cucumis trigonus* - A Novel Microtubule Inhibitor and Antitumor Agent, Induce Cell Death in Cancer Cells, *Cancer Prevention Research*, 2012, Vol 5, I 11, 53 – 55.
40. Dhanabal, S.P., Muruganatham, N., Basavaraj, K.H., **Wadhvani, A.**, Shamasundar, N.M Antipsoriatic activity of extracts and fractions obtained from *Memecylon malabaricum* leaves *Journal of Pharmacy and Pharmacology*, 2012, Vol 64, I 10, 1501-1509.

Dr. Ashish Wadhvani
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BIODATA

1. **Name** : Dr. Raman Rajeshkumar
2. **Date of Birth** : 08.07.1980
3. **Residential Address** : 119/9, Sakthi Illam, Nondimedu, Near HMT
4. **Phone** : 0423-2448932, Mobile: 8220194532
5. **Designation** : Lecturer, JSS College of Pharmacy,
JSS Academy of Higher Education & Research, Mysore
6. **Department** : Pharmaceutical Biotechnology
7. **Qualification** : M. Pharm., Ph.D., BASM., PGDIB., TNSET., C, C+,
HTML, UNIX, LINUX, BIOJAVA, BIOPERL, R
SRIPTS etc
8. **Area of Specialization** : Free Radical Biology, Cancer Biology, *In Silico* Biology

9. **Short Profile:**

Dr. Raman Rajeshkumar is a lecturer in the department of pharmaceutical biotechnology. He received his Masters from Tamilnadu Dr. MGR Medical University, Chennai and Ph.D from JSS University, Mysore. Dr. Raman Rajeshkumar currently working on the application of computational biology, algorithms and mathematical models to predict differentially expressed genes in microarray datasets. He also has research experience in the field of free radical biology and cancer biology, microbiology, Advanced Bioinformatics, Protein formulations. Lifetime member in various societies such as IAENG computer scientist, SBTI and IPA. Recently he received the K.N. Narasimhiah award from society of biotechnologist (India).

- 10. Publications** : National: 8 International: 10
- 11. Presentations** : National: 15 National: 3
- 12. Scientific Talk** : 15
- 13. Guideship** : PG: 13UG: 30 M.Sc/M.Phil: 12
- 14. Editor/Reviewer** : Asian Journal of Pharmaceutics
- 15. Member** : Indian Pharmaceutical Association, Society of
Biotechnologist India, International Association f
Engineers and Computational Scientist, Eurasia
Research Group
- 16. Collaboration** : National Institute of Ocean Technology(NIOT), Chennai
- 17. Awards Received** : K.N. Narasimhiah award from SBTI
- 17. Experience** : 12 years
- 18. Contact** : bathmic@jssuni.edu.in