Dr.(Mrs). Nutan Rao (Maiden Name: Nutan H Palsule Desai)
International Publications: 13
National Publications: 3

List of International and national Publications:

1. Manuscript entitled "Antifungal Activity And Synergy Studies of Polysubstituted Alicyclic Analogues" **Palsule Desai N H,** Kakwani MD, Lele AC, Raju A, Degani MS, ***International Journal of Pharmaceutical research and Bioscience,*** *2014; Volume 3(4): 14-31* **(Impact factor: SJIF-5.567)**

2. Manuscript entitled "Studies On 5-Cyanouracils: Expedient Synthetic Protocol For Synthesis Of Novel Pyrido[2,3-d]Pyrimidine And Pyrimido [4,5-d]Pyrimidine Analogs With Potential Pharmacological Activity" Yogesh Pedgaonkar, Arundhati Lele, **Nutan H Palsule Desai**, Mariam S Degani; **Int J Pharm Bio Sci** 2014 Oct; 5(4): (P) 422 – 439 **(Impact factor:SJIF-6.268), Impact Factor-0.36**

3. Manuscript entitled "Ultrasound Promoted Facile Synthesis of nitriles from aldehydes", Arundhati Chandrashekhar Lele, **Nutan Hanmant Palsule Desai**, Mariam Sohel Degani; **Journal of Pharmacy Research**, Vol 8, No 7, (2014). **(Impact factor: 0.575)**

4. Manuscript entitled "Novel 4h-1,2,4-Triazol-3-yl Cycloalkanols As Potent Antitubercular Agents" **Nutan H. Palsule Desai,** Ranjeet Bairwa, Manoj Kakwani, Nilesh Tawari, M. K. Ray, M. G Rajan, Mariam Degani, ***Medicinal Chemistry Research***, 22 (1), (2013), 401-408. *DOI*:10.1007/s00044-012-0043-9. **(Impact factor: 1.277), (SCIE indexed, SCOPUS indexed)**

5. Manuscript entitled "A Single Step, Mild, Neutral, Catalyst Free Method for Cyanohydrin Synthesis" Mariam S. Degani, Manoj D. Kakwani, **Nutan H Palsule Desai**, RanjeetBairwa, ***Monatshefte fur Chemie,*** Springerlink**,** (2012) 143:461-465, DOI: 10.1007/s00706-011-0613-4. **(Impact factor: 1.282) (SCIE indexed, Scopus indexed).**

6. Manuscript entitled "Synthesis and preliminary biological evaluation of novel N-(3-aryl-1,2,4-triazol-5-yl) cinnamamide derivatives as potential antimycobacterial agents: An operational Topliss Tree approach" Manoj D. Kakwani, **Nutan H. Palsule Desai**, Arundhati C. Lele, Muktikant Ray, M. G. R. Rajan, and Mariam S. Degani, ***Bioorganic Medicinal Chemistry Letters***, 21 (2011) 6523–6526. *Elsevier*, DOI:10.1016/j.bmcl.2011.08.076. **(Impact factor:2.42) (SCIE indexed)**

7. Manuscript entitled “Cancer”- An Introduction And Recent Advances In Anti Cancer Drugs.” Shefali Barkat Dobani, **Dr. Nutan Rao** and Dr. Sudha Rathod, ***World Journal of Pharmaceutical Research, 2016,*** Volume 5, Issue 7, 488-505**. (SJIF Impact Factor:7.52)(Impact Factor: 0.987)**

8. Manuscript entitled “Troubleshooting and maintenance of high-performance liquid chromatography- A Review” Javed S. Shaikh, **Dr. Nutan N. Rao, World Journal of Pharmaceutical Sciences, 2017, 5(12): 162-169.**

9. Manuscript entitled “Simultaneous Estimation And Forced Degradation Studies Of Amiloride Hydrochloride And Hydrochlorothiazide In A Pharmaceutical Dosage Form Using RP-HPLC Method” Javed S. Shaikh, **Dr. Nutan N. Rao, International Journal of Research in Pharmaceutical and Nanoscience, 6 (6), 2017, 300 - 309.**

10. Manuscipt entitled “Review on Gas chromatography and its hyphenation techniques” **Dr. Nutan Rao,** Ms. Kajal Gawade**, World Journal of Pharmaceutical Research, Volume 7, Issue 2, 2017, 444-455.**

11. Manuscript entitled “Simultaneous Estimation and Forced Degradation Studies of Amiloride Hydrochloride and Furosemide in a Pharmaceutical dosage form Using RP-HPLC Method” Javed Shaikh, **Dr. Nutan Rao, Accepted in Asian Journal of Pharmaceutical and Clinical Research for publication in Vol.11, Issue 7, July 2018 (Scopus and Elsevier Indexed) (Impact factor 0.59)**

12. Review entitled “Forced Degradation Studies on the drugs containing heterocyclic Compound”, **Dr. Nutan Rao**, Pratiksha Doke, International Journal of Research in Pharmaceutical And Nano Sciences, 7 (1), 2018, 5-15.

13. Manuscript entitled “Stability Indicating RP-HPLC Method for Estimation of Atorvastatin and Clopidogrel in Pharmaceutical Dosage Form” Pratiksha Doke, **Dr. Nutan Rao**, **Asian Journal of Pharmaceutical Analysis and Medicinal Chemistry, 6(1), 2018, 6-13.(Impact Factor 3.1)**

14. Manuscript entitled “Method Development and Force Degradation Studies for Simultaneous Estimation of Salbutamol Sulphate, Etofylline and Bromhexine Hydrochloride in Pharmaceutical Dosage Form using RP-HPLC Method”, Ms. Kajal Gawade, **Dr. Nutan Rao**, **Accepted for publication in Asian Journal of Pharmaceutical and Clinical Research, Vol.11, Issue 8, August 2018 (Scopus and Elsevier indexed) (Impact factor 0.59)**

15. Manuscript entitled "UV spectrophotometric stability indicating method development and validation for determination of atorvastatin and clopidogrel in marketed formulation" **, Dr. Nutan Rao,** Ms. Pratiksha Doke**, Accepted for publication in Journal of Applied Pharmaceutical Sciences (Manuscript Numberr. JAPS-2018-02-270), (Scopus indexed), (Impact Factor 0.649)**

16. Manuscript entitled "Stability Indicating Method Development and Validation Of Itraconazole and Terbinafine HCl in Bulk And Pharmaceutical Tablet Dosage Form", Devyani M. Rode, **Dr. Nutan Rao (communicated to Asian Journal of Pharmaceutical and Clinical Research, AJPCR) (Status-Revision in process).**

Conferences/Seminars/Workshops/Training Programme Attended

1. Poster presentation at One day Seminar on Advancement in Pharmaceutical Technology' entitled 'Microencapsulation: an alternative way for controlling drug delivery system', Sagarika Khandelwal, Kulsum Syed, Shalini Singh, Kajol Sharma, Shivani Shetty, **Dr. Nutan Rao**, Oriental College of Pharmacy, Sanpada, Navi Mumbai on 17th September 2016.

2. Poster presentation at International Symposium on Drug Discovery for Infectious Diseases and Cancer, Mumbai entitled "Design, synthesis and biological screening of 2,4-diamino pyrimidine derivatives as Mtb DHFR inhibitors", Shelke R.U., **Desai Nutan. H,** Raju A., Kharkar P.B., Rajan M. G., Ray M. K and Degani M.S., Institute of Chemical Technology, Matunga, Mumbai, January, 2013.

3. Poster presentation at 13th Tetrahedron Symposium- Challenges in Bioorganic & Organic Medicinal Chemistry, Arundhati C Lele**, Nutan H Palsule Desai**, Manoj Kakwani, M K Ray, M G R Rajan, M S Degani; Howard Civil International Centre, Taipei, Taiwan 27th -30th November 2012.

4. Poster presentation at Gordon Research Conference on Tuberculosis Drug Development entitled "Design and synthesis of cinnamide derivatives as antitubercular agents". **Nutan H Palsule Desai**, Manoj Kakwani, Arundhati C Lele, M K Ray, M G R Rajan, M S Degani, Ciocco, Barga, Italy 3rd-7th July 2011.

5. Poster presentation, at 5th International Symposium on Advances in Translational Research & Medicine, Zydus Research Centre, Ahmedabad, India. Date 1-4 th February 2011, entitled "Design and evaluation of triazine derivatives as dihydrofolate reductase (DHFR) inhibitors in *Mycobacterium tuberculosis*" Archana Raju, Seema Bag, Nilesh Tawari, **Nutan H Palsule Desai**, Arundhati Lele, Manisha Khedkar, Sonali Niphadkar, Muktikant Ray, M. G. R. Rajan, Mariam Degani.

6. Poster presentation, at 6th International symposium on Innovations in Pharmaceutical Sciences and Technology at PERD, Ahmedabad. 26th - 28th Nov 2010, entitled "Design, Synthesis and Biological evaluation of alicyclic dehydroquinase (DHQ) inhibitors as Antimycobacterial agents using Bioisosteric Replacement Strategy" **Nutan H P .Desai*,** RanjeetBairwa, Manoj D. Kakwani, Nilesh R.Tawari, Muktikant Ray, M. G. R. Rajan, and Mariam S. Degani.

7. Poster presentation, at 6th International symposium on Innovations in Pharmaceutical Sciences and Technology at PERD, Ahmedabad. 26th - 28th Nov 2010, entitled "Novel N-(3-aryl-1,2,4-triazol-5-yl)cinnamamide derivatives as potential Antimycobacterial agents: A Topliss Operational Tree Approach" Arundhati C. Lele, Manoj D. Kakwani, **Nutan H. P. Desai**, Muktikant Ray, M. G. R. Rajan, and Mariam S. Degani.

8. Poster presentation, at 1st Symposium on Medicinal Chemistry and Pharmaceutical Sciences at CDRI entitled, "Homology modeling and pharmacophore mapping: tools to design DNA gyrase inhibitors in *S. aureus* infections" **Nutan H. Palsule Desai*,** Nilesh R. Tawari, Arundhati C. Lele, Mariam S. Degani Date 24-26 March 2009.

9. Poster presentation entitled '3D-QSAR', **Nutan H Palsule Desai**, Nilesh Tawari, Seema Bag at National Symposium on Challenges in Drug Discovery Research: Networking Opportunities between Academia and Industries held at BITS Pilani, Rajasthan in April 2006.

10. Attended 11th ISCB Conference "International Conference on Advances in Drug Discovery Research" Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, February 24-26, 2007 as a delegate of Wockhardt Research Centre.

11. Attended 22nd Research scholar meet 2010 held at Sathaye College, Dixit road, Vile Parle (E), Mumbai 400057 from 19th Feb 2010-20th Feb 2010.

12. Attended one-day workshop **"**Training in Green Chemistry" at National College, Mumbai, December 2009.

13. Presented Seminar - "Protein tyrosine phosphatase inhibitors in Type 2 Diabetes Mellitus" at Institute of Chemical Technology, M.Pharm Sci – Mar 2005.

14. Attended Teacher's Orientation Programme for F Y BPharm in Aug 2012, BCP

15. Attended Teacher's Orientation Programme for T Y BPharm in July 2014, MET.

16. Attended One day seminar on Fundamental and Modern Aspects of drug discovery, Oriental College of Pharmacy, Sanpada, Navi Mumbai in Aug 2014-and was an anchor for the same.

17. Attended One day seminar on 'Current scenario of pharmaceutical quality assurance' Quality assurance on 14th Feb 2015, at Oriental College of Pharmacy.

18. Carried out ‘Quality Improvement Programme’ for lab assistants and attendants at Oriental College of Pharmacy. Received appreciation letter for excellent feedback.

19. Attended one day seminar on ‘Advancement in Pharmaceutical Technology’ on 17th September 2016 organized at Oriental College of Pharmacy-and was a part of Scientific committee for the same.

20. Visit to CPHI 2016 with second year B Pharm and M Pharm students on 23rd Nov 2016.

21. Attended ‘One day seminar and workshop on **‘**Care in Animal Handling and Ethics’ organized by Oriental College of Pharmacy on 21st January 2017- and was a member of Stage Committee.

22. Attended one day seminar on ‘Diabetes: Bench to Bed-side’ on 27th January 2017 organized by Principal K M Kundnani College of Pharmacy, Cuffe Parade as a delegate.

23. Poster Presentation entitled ‘A Review on Trouble Shooting In HPLC and its Solutions’, **Dr. (Mrs.) Nutan Rao,** Pratiksha Doke , Kajal Gawade, Javed Shaikh, Faria Shaikh, AhmadRaza, Ragini Verma at one day seminar on ‘Advances in Analytical Technologies’ at Oriental College of Pharmacy on 9th Sep 2017. Also worked as Stage Committee Member.

24. Attended one day seminar entitled ‘Challenges and current scenario: Quality by design and regulatory compliance’ organized at Oriental College of Pharmacy on 3rd March, 2018. Organizing committee member-Stage committee.

25. Attended one day Training on CAMAG HPTLC system at India-specific Applications Research Laboratory, Anchrom, Mumbai on 12th March 2018.

26. Attended Faculty Development Workshop on ‘Successfully Attracting Research Funding: The road from Idea to getting Funded for Academic Researchers’ on 23rd May 2018 at Oriental College of Pharmacy.

27. Attended Faculty Development Programme on Pedagogical Analysis on 7th July 2018 in Oriental College of Pharmacy.

28. Attended demonstration/Hands-On Training of HPLC, UHPLC and UPLC at Waters Pvt.Ltd, Ghatkopar on 29th November 2018 as a part of FDP at H K College of Pharmacy.

29. Attended One day Seminar on ‘Traditional Medicine: Gold Mine for modern Pharmaceuticals’ on 2nd March at Oriental College of Pharmacy (Scientific Committee Member and Anchor).

30. Carried out ‘Quality Improvement Programme’ for lab assistants and attendants at Oriental College of Pharmacy, 9th May 2019 (Topic: Chemical Storage and Chemical Handling).

31. Attended Industry sponsored and ISTE recognized Faculty Development Programme entitled ‘New Paradigm in Pharmaceutical Education and Research’ organized by H K College of Pharmacy, Jogeshwari from 26th Nov 2018-1st December 2018