

Name: **Dr. Nileshkumar Dhirubhai Vala**

Designation: **Assistant Professor**

Qualification: **Ph.D, GSET, M.Sc (Analytical Chemistry)**

Research paper published: 12

- 1) The research paper entitled "**Zinc triflate promoted general synthetic protocol for the facile construction of chromenes and pyrimidines bearing N-allyl quinolone nucleus**" has been published in the "*International letters of Chemistry, Physics and Astronomy*" 47 (2015) 199-207
- 2) The research paper entitled "**PS-TBD triggered general protocol for the synthesis of 4H-chromene, pyrano[4,3-b]pyranandpyrano[3,2-c]chromene derivatives of 1H-pyrazole and their biological activities**" has been published in the "*Chinese Chemical Letter*" 27 (2016) 168-172
- 3) The research paper entitled "**Pyrazole-Quinolone-Isoniazid hybrids: synthesis, characterization and *in vitro* evaluation as a new class of antimicrobial and antitubercular agents.**" has been published in the "*Heterocyclic Letters*" 5 (2015) 609-620
- 4) The research paper entitled "**Library design, synthesis and biological exploration of novel 3,4'-bicarbostryl derivatives as potent antimicrobial, antitubercular and antimalarial agents**" has been published in the journal "*Medicinal Chemistry Research*" 26 (2017) 881-899
- 5) The research paper entitled "**synthesis & analysis of some novel amine based heterocyclic compounds and its derivatives prepare by different catalyst concentration and time duration**" has been published in the E-journal "*International journal for science and advance research in technology* " 4 (2018) 2
- 6) The research paper entitled "**Microwave assisted synthesis of halo-aryl-substituted-1H-pyrazol-pyridne moiety and study on "effect of halogen substitution on antimicrobial activity"**" has been published in the "*Heterocyclic Letters*" 8 (2018) 385

- 7) The research paper entitled “**Syntheses and characterization of cobalt, nickel, copper complexes containing 4-benzoylthiosemicarbazone-2-(4-nitrophenyl)-5-methyl-2, 4-dihydropyrazole-3-one**” has been published in the “*International Journal of Emerging Technologies and Innovative Research*” 6(3); (2019); 60
- 8) The research paper entitled “**An efficient and facile synthesis of the hybrid scaffold of Pyrazole-TriazoleChromenes nucleus using PS-TBD as a green catalyst**” has been published in the “*Journal of Drug Delivery and Therapeutics*” 9(4): (2019); 222-226
- 9) The research paper entitled “**Synthesis of furano[2,3-*c*] /pyrrolo[2,3-*c*]coumarins and synthesis of 1(*H*)-[1] benzopyrano [3,4-*b*][1]benzopyrano[3',4'-*d*] furan-7(*H*)-ones /1(*H*)- [1]benzopyrano[3,4-*b*][1]benzopyrano [3',4'-*d*]pyrrole-7(*H*)-ones ” has been published in the “*Journal of Drug Delivery and Therapeutics*” 9(4-s): (2019); 32-42**
- 10)The research paper entitled “**Synthesis and characterization of some novel coumarin based various 2-aryl-pyrido [3,2-*c*] coumarins**” has been published in the “*Journal of Drug Delivery and Therapeutics*” 10(2): (2020); 158-163
- 11)The research paper entitled “**Synthesis And Characterization Of 3-(4–Aryl-5h-6,7,-Dihydrocyclopenta[B]Pyridin-2-yl), 3-(4-Aryl-5,6,7,8-Tetrahydroquinolin -2-yl) And 3-(5-Hydroxy-Biphenyl-3-Yl) Coumarins Using Piperidine As A Catalyst**” has been published in the “*Heterocyclic Letters*” 10(2): (2020); 333-340
- 12)The research paper entitled “**Synthesis, Characterization of 1H-Pyrazol-Pyrano [3, 2-C] Chromene Derivatives and Their in Vitro Antimicrobial Activities**” has been published in the “*International Journal of All Research Education and Scientific Methods (IJARESM)*” 8(10): (2020); 660-665, ISSN: 2455-6211, Impact Factor: 7.429

**RESEARCH PAPERS PRESENTATION IN CONFERENCES (ORAL/POSTER) :
CONFERENCE, WORKSHOP AND SEMINAR : As Resource Person**

- 1) I have participated as a resource person at 2 day workshop “**Understanding Complexities of Life From Molecule to System**” jointly organized by Makeintern & Spring-Fest (IIT-Kharagpur Event) and Shree P.M.Patel Institute of PG Studies & Research in Science, on 15th & 16th September 2017

REFRESHER COURSE:

I have completed “**Online Refresher Course in Chemistry for Higher Education**” with a "B" Grade in the proctored examination held by NTA on 16th February 2020. The Refresher Course conducted by Sri Guru Tegh Bahadur Khalsa College, University of Delhi and SWAYAM ARPIT ONLINE COURSE CERTIFICATION.

Duration :	16 weeks	Annual Refresher Programme in Teaching (ARPIT) This is an AICTE approved FDP course.
Start Date :	01 st Sep 2019	
End Date :	31 st Dec 2019	

CONFERENCE, WORKSHOP AND SEMINAR: As Participant

- 1) I have attended “**Higher Education Conclave**” organized by N. S. Patel Arts (Autonomous) College, Anand, held on 22nd March 2022.
- 2) I have attended one day International one day international virtual seminar on “**Frontiers Of Recent Advances In Chemistry**” conducted by department of chemistry, SNS college of technology, Coimbatore, held on 28th august 2021
- 3) I have participated in International Webinar on "**Role of Chemistry in Nuclear Energy**" organized by the Department of Chemistry(School of Foundational Sciences), Kumaraguru College of Technology, Coimbatore, on 21st August 2021
- 4) I have attended One-Week National Level Faculty Development Programme on "**Innovations in Energy & Applied Chemistry**" organized by the Department of

Science & Humanities (Chemistry) Nehru Institute of Technology, Coimbatore
From 23rd August 2021 To 28th August 2021.

- 5) I have participated in national webinar on '**Importance of Intellectual Property Rights in Academics: An Overview**' as part of '**TWISHA 2K21**' the National Webinar Series organized by IQAC & Research & Post Graduate Department of Chemistry & Polymer Chemistry, K.S.M.D.B College, Sasthamcotta on 05 May 2021.
- 6) I have participated in International Webinar on "**Injectable Hydrogels for Biomedical Applications**" organized by the Department of Chemistry(School of Foundational Sciences), Kumaraguru College of Technology, Coimbatore, on 24th April 2021
- 7) I have participated in National Webinar On "**Environmental Issues and Challenges**" on April 17, 2021 Jointly organized by The Department of Chemistry, Government Degree College for Women, Karimnagar, Telangana state.
- 8) I have participated in National Webinar On "**Basics of IPR: Patenting In Academic Research**" on March 17, 2021 Jointly organized by IQAC of Shri Vijaysinha Yadav College, Peth Vadgaon, Dist. Kolhapur and Padmabhushan Dr. Vasantraodada Patil Mahavidyalaya, Tasgaon, Dist. Sangli.
- 9) I have participated in Webinar Series on "**Blend of Physics & Materials**" October 22, 2020 Department of Physics, School of Basic Sciences, Manipal University Jaipur.
- 10) I have participated in the National Webinar on "**Characterization Techniques of Materials**" Held on 30th September 2020 Organized by Department Of Physics, Jagarlamudi Kuppaswamy Choudary college, Guntur, AP, India
- 11) I have attended TEQIP-III sponsored one week online Short Term Course On "**Chemistry of Advanced Functional Materials (CAFAM-2020)**" Organized by Department of Chemistry, National Institute of Technology, Srinagar during 21-25 September, 2020.

- 12)I have participated in the International Level Virtual **Faculty Development Programme** on "**Green and Sustainable Technology for Next Generation**" organized jointly by Department of Chemical Engineering and Department of Electrical & Electronics Engineering, Sri Sivasubramaniya Nadar College of Engineering, Chennai during 21-30 August, 2020.
- 13)I have participated in the National level Webinar on the "**Rational Design and Development of Nanostructured Heterogeneous Catalysts for Energy and Environmental Applications**" organized by the Department of Chemistry, Chikkaiah Naicker College, Erode, TN, India held on 27th July 2020.
- 14)I have attended One-Week National Level e Faculty Development Programme on "**Redefining the Role of Educator in Covid-19 Outbreak Era**" Jointly organized by Gujarat Technological University, Ahmedabad and Anand Pharmacy college, Anand, Gujarat during May 11-16, 2020.
- 15)I have attended one day seminar on **Recent Trends in chemical sciences and forensic sciences (RTCSFS)** Jointly Organized by Shree P. M. Patel Institute of P. G. Studies and Research in Science and Shree P. M. Patel Institute of P. G. Studies and Research in Applied Sciences, Anand people's Medicare Society, Anand, Gujarat, India on 12th February, 2019.
- 16)I have presented research paper at **GUJCOST sponsored National conference "Medicinal Chemistry at the Interface of 21st Century: An Indian Perspective"** jointly organized by Chemistry Department of V.P. & R.P.T.P Science College, Vallabh Vidyanagar, on 28th January 2019.
- 17)I have attended two days workshop on "**Charaterization Techniques for Materials (CTM-2016)**" organized by Department of Material Science, Sardar Patel University, Vallabh Vidyanagar, Gujarat, from 23th & 24th February 2016.
- 18)I have presented research paper at "**National conference on Emerging Trends and Advances in Chemical Sciences (ETACS 2015)**" organized by Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat, from 8th & 9th October 2015.

- 19) I have presented research paper at **“National conference on Recent Advancements in Chemical Sciences (RAICS 2015)”** organized by A Department of Chemistry, Malaviya National Institute of Technology Jaipur, from 21st to 23rd August 2015.
- 20) I have presented research paper at **“7th International Congress of Environmental Research (ICER-14)”** organized by R. V. College of engineering, Bangalore, India in collaboration with Journal of environmental research and development, Bhopal, India from 26th to 28th December 2014.
- 21) I have attended **National Conference on Chirality (NCC-2013)** jointly organized by CSIR, GUJCOST and UGC at The Maharaja Sayajirao University of Baroda on 7th & 8th December 2013.
- 22) I have attended National seminar on **“Recent Advances in Applied Science (RAAS)”** organized by Shri Alpesh N. Patel Postgraduate Institute, Charotar Education Society, Anand, Gujarat, India, on 8th March 2013.
- 23) Presented poster at **Anveshan-2012** with title, **“Green Chemistry-Synthesis of heterocyclic compounds based on EGBs method”** on 6th February 2013 at Sardar Patel University, Vallabh Vidyanagar, Gujarat.
- 24) I have participated in UGC Sponsored **“Interaction Programme for Ph.D Scholars (All Disciplines)”** organized by Academic Staff College, Sardar Patel University, Vallabh Vidyanagar, from 15th October 2012 to 20th October 2012.
- 25) I have attended UGC Sponsored 2 days National Seminar on **“Nanotechnology in Drug delivery: Emerging Trends and Advances”** organized by Department of Pharmaceutical science, Sardar Patel University, Vallabh Vidyanagar, held on 9th & 10th March 2012.
- 26) I have attended UGC Sponsored 2 days National Seminar on **“Recent advances in Analytical techniques for Pharmaceuticals”** organized by Department of Pharmaceutical science, Sardar Patel University, Vallabh Vidyanagar, held on 18th & 19th March 2011.

27) I have attended UGC Sponsored 3 days National Workshop on “**Combined Application of Spectroscopy**” organized by Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar, held on 17th-19th February 2011.

TRAINING / WORKSHOP:

- 1) I had taken one day training on “**Environment Health and Safety in Testing Laboratories**” jointly organized by Sophisticated Instrument Center for Applied Research and testing (SICART) and Institute of science & technology for advance studies & research (ISTAR) on 15th June 2013.
- 2) I had taken one day training on “**Moodle Learning Management System**” organized by Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT), MHRD, Govt. of India. on 15th March 2015.
- 3) I had taken one day training on “**Preparation of NAAC Assessment And Accrediation for Non-Accredited Colleges/Instiutues**” organized by IQAC, Sardar Patel University on 20th February 2019.
- 4) I had successfully completed the training **Basics of COVID-19 – Gujarati** on 24 May 2020 conducted by DEPARTMENT OF PERSONNEL & TRAINING, Government of INDIA.
- 5) I had successfully completed the training **COVID Awareness- Gujrati** on 24 May 2020 conducted by DEPARTMENT OF PERSONNEL & TRAINING, Government of INDIA.
- 6) I had successfully completed the training **Infection Prevention and Control – Gujarati** on 27 May 2020 conducted by DEPARTMENT OF PERSONNEL & TRAINING, Government of INDIA.
- 7) I had successfully completed the training **Psychosocial Care – Gujarati** on 28 May 2020 conducted by DEPARTMENT OF PERSONNEL & TRAINING, Government of INDIA.

COMPUTER COURSE:

- 1) I had completed **Certificate of Course on Computer Concept (CCC)** exam conducted by **National Institute of Electronics and Information Technology (NIELIT)** in Oct-2019, with C Grade (55% to 64%).
- 2) I had completed **Certificate of Course on Computer Concept (CCC)** exam conducted by **National Society for Vocational Training (NSVT), H & B** Computer education, Ahmadabad, in Oct-2019, with A Grade (83.5%).

BOOKS PUBLISHED: 06

- 1) Book title: **Microwave assisted synthesis of pyrazolo-phthalazine compounds**,
ISBN: 978-620-0-30029-4, **Publisher:** LAP-LAMBERT ACADEMIC PUBLISHING, 17 Meldrum street, Beau Bassin- 71504, Mauritius.
https://www.morebooks.shop/gb/bookprice_offer_6ca2110de0a76bb5a0c988141bcc792833de12e4?currency=USD
- 2) Book title: **Microwave-Assisted CAN Promoted Synthesis Of Poly-Substituted Pyridine**, **ISBN:** 978-620-0-30660-9, **Publisher:** LAP-LAMBERT ACADEMIC PUBLISHING, 17 Meldrum street, Beau Bassin- 71504, Mauritius.
https://www.morebooks.shop/bookprice_offer_15815e5cc4cef6e655bfc558fa0e1b4f8cdac558?locale=gb¤cy=EUR
- 3) Book title: **PS-TBD catalyzed reaction for synthesis of heterocyclic compounds.**,
ISBN: 978-620-0-32190-9, **Publisher:** LAP-LAMBERT ACADEMIC PUBLISHING, 17 Meldrum street, Beau Bassin- 71504, Mauritius.
https://www.morebooks.shop/bookprice_offer_15815e5cc4cef6e655bfc558fa0e1b4f8cdac558?locale=gb¤cy=EUR
- 4) Book title: **Role of Organic chemistry in Industry, Forensic science & Synthesis**,
ISBN: 978-93-89791-36-5, **Publisher:** Anand People's Medicare Society, Anand, Gujarat, INDIA

- 5) Book title: **Organic chemistry and environment**, ISBN: 978-93- 89791-35-8,
Publisher: Anand People's Medicare Society, Anand, Gujarat, INDIA
- 6) Book title: **Mass Spectroscopy, Theory & applications in structure assignment to organic compounds**, ISBN: 978-81-943596-4-7, **Publisher:** Anand People's Medicare Society, Anand, Gujarat, INDIA

OTHER ACHIEVEMENTS: SENATE MEMBER, GSET QUALIFIED