



SILVER JUBILEE CELEBRATION (ISCBG-NIPICON-2020)

26th ISCB INTERNATIONAL CONFERENCE (ISCB-2020)

Jointly Organized by:

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Date: 22 - 24 January, 2020 | Venue: Nirma University, Ahmedabad, India

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POSTERS

- | POSTER NUMBER | TITLE & AUTHOR |
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| P-1 | Understanding of correlation between Proteolytic systems and Myogenic regulatory factors: Fundamental determinants for myogenesis
Ashwani Mittal [†] , Sanjeev Gupta, Anita Dua
<i>Skeletal Muscle Lab, Institute of Integrated & Honors Studies, Kurukshetra University, Kurukshetra, Haryana -136119, India</i> |
| P-2 | Efficient and modified fluorescent based glucose uptake assay to study skeletal muscle insulin resistance induced under diverse stresses in cultured myotubes
Sanjeev Gupta [†] , Anita Dua, Ashwani Mittal
<i>Skeletal Muscle Lab, Institute of Integrated & Honors Studies, Kurukshetra University, Kurukshetra, Haryana -136119, India</i> |
| P-3 | Anti-atrophic potential of butylated hydroxytoluene (BHT) under H₂O₂-induced stress in C2C12 myotubes: Repositioning of a well known antioxidant
Anita Dua [†] , Ashwani Mittal, Sanjeev Gupta,
<i>Skeletal Muscle Lab, Institute of Integrated & Honors Studies, Kurukshetra University, Kurukshetra, Haryana -136119, India</i> |
| P-4 | Synthesis, spectroscopic, thermal and In-vitro biological screening of some novel Cr(III) based heterochelates
Chintan P. Somaiya ¹ , Dinesh S. Patel ¹ , Darshan H. Jani ²
<i>shree P.M Patel Institute of Post Graduate Studies and Research in Science, Anand-388001, Recognized Research Center of Sardar Patel University, V.V. Nagar(India), for Ph. D (Applied Chemistry), Ph. D (Forensic Science) & M. Phil (Chemistry)</i>
<i>Department of Chemistry, Om College of Science, BKNM University, Junagadh, Gujarat (India)</i> |
| P-5 | Synthesis of steroidal dihydropyrimidine by ultrasound irradiation
Dr Mandakini Dutta
<i>Chemistry Department, Dibru College, Dibrugarh -786003</i> |
| P-6 | Synthesis of novel Benzoimidazopyrazine scaffolds via in-situ decomposition of DMF
Rupam Sarma, ^{a,b} Lakshma Reddy G, ^a Jiasheng Fu ^a and Wenhao Hu ^a
^a <i>School of Pharmaceutical Sciences, Sun Yat-sen University, Guangzhou, P.R. China</i>
^b <i>Department of Chemistry, Nalbari College, Nalbari, Assam, India</i> |



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- P-7** **IN SILICO TARGET IDENTIFICATION STUDY OF NOVEL ANTI-LEISHMANIAL AGENTS**
Faheem^a Suraj Pyarelal Gupta^[a], Banoth Karan Kumar^[a], K.V.G.Chandrashekar^[b], Murugesan Sankaranarayanan*^[a]
^a Medicinal Chemistry Research Laboratory, Department of Pharmacy, BITS Pilani, Pilani Campus, Pilani-333031, Rajasthan, India.
^bDepartment of Chemistry, Birla Institute of Technology and Science, Pilani, Hyderabad Campus, Jawahar Nagar, Kapra, Mandal, Hyderabad – 500078, Telangana, India.
- P-8** **Interaction study of Artemisinin with Bovine Liver Catalase: A biophysical and computational study**
Rashmi R. Samal,^{1,2}Yashaswinee Sahoo¹ and Umakanta Subudhi^{1,2,*}
CSIR-Institute of Minerals & Materials Technology, Bhubaneswar 751 013, India,
Academy of Scientific & Innovative Research (AcSIR) New Delhi 110025, India.
- P-9** **Regioselective synthesis and X-ray crystallographic studies of biological active isoxazole acid analogs.**
Puja Kumari, Anindita Mukherjee, Prem Kumar Kushwaha, Ashoke Sharon
Dept. Of Chemistry, Birla Institute Of Technology, Mesra, Ranchi
- P-10** **METALLIC GOLD BASED NANOSYSTEMS IN TREATMENT OF ADVANCED STAGE ORAL CANCER**
Kartik Hariharan, Dr.Tejal Mehta
Affiliation: Institute of Pharmacy, Nirma University, Ahmedabad, India
- P-11** **Stability Indicating HPLC Method for Determination of Riociguat in bulk and Pharmaceutical Dosage form**
PRADIP TODKAR, S. A. DICHWALKAR, P. D. HAMRAPURKAR
Department Of Pharmaceutical Analysis, Prin. K. M. Kundnani College Of Pharmacy, Plot No. 23, Jote Joy Building, Rambhau Salgaonkar Rd, Cuffe Parade, Mumbai, Maharashtra 400005
- P-12** **DEVELOPMENT AND VALIDATION OF A STABILITY INDICATING RP-HPLC METHOD FOR EDOXABAN TOSYLATE MONOHYDRATE USING QBD APPROACH.**
Ashwini Chawathe, Yash Khedekar, P. D. Hamrapurkar
Department Of Pharmaceutical Analysis, Prin. K. M. Kundnani College Of Pharmacy, Plot No. 23, Jote Joy Building, Rambhau Salgaonkar Rd, Cuffe Parade, Mumbai, Maharashtra 400005
- P-13** **METHOD DEVELOPMENT AND STABILITY STUDY FOR VORTIOXETINE HBR USING HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**
Mrunali Mannurkar, Vivek Dhuri, P. D. Hamrapurkar
Department Of Pharmaceutical Analysis, Prin. K. M. Kundnani College Of Pharmacy, Plot No. 23, Jote Joy Building, Rambhau Salgaonkar Rd, Cuffe Parade, Mumbai, Maharashtra 400005



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- P-14** **First biocatalytic Groebke-Blackburn-Bienaymé multicomponent reaction: Highly green and efficient synthesis of Imidazo[1,2-a]pyridine derivatives**
Meenakshi Budhiraja, Amjad Ali and Vikas Tyagi
School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala-147004, Punjab, India
- P-15** **Facile synthesis of benzoxazine fused 1,2,3-triazoles via Pd-catalyzed highly selective isocyanide-insertion/cyclization/N-N bond formation cascade**
Pooja Soam, Hashmita Gaba, Imran Khan, Vikas Tyagi*
School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala-147004, Punjab, India
- P-16** **CuI-catalyzed highly regioselective C-H functionalization of indoles using indole-3-tosylhydrazon as carbene precursors: An efficient synthesis of 3,3-bis(indolyl)methane derivatives**
Priya kamboj,^a Sunil Dutt,^a Sourav Chakroborty,^b Vikas Tyagi^{a*}
^a*School of Chemistry and Biochemistry, Thapar Institute of Engineering and Technology, Patiala-147004, Punjab, India*
^b*Institute of Science and Supramolecular Engineering, C NRS, 7006 UMR University of Strasbourg, 8 rue Gaspard Monge, 67000 Strasbourg, France*
- P-17** **First biocatalytic aza-Michael addition of aromatic amines to enones using α -amylase in water.**
Sunil Dutt, Dr. Vikas Tyagi*
School of Chemistry and Biochemistry Thapar institute of Engineering and Technology Patiala -147007
- P-18** **Design and *In-Silico* study of novel Isatinanalogs as potential anti-HIV agents with extended activity against mutant strains**
SurajPyarelal Gupta^[a], Faheem^[a], Banoth Karan Kumar^[a], K.V.G.Chandrashekar^[b], MurugesanSankaranarayanan^{*[a]}
^a *Medicinal Chemistry Research Laboratory, Department of Pharmacy, BITS Pilani, Pilani Campus, Pilani-333031, Rajasthan, India.*
^b *Department of Chemistry, Birla Institute of Technology and Science, Pilani, Hyderabad Campus, Jawahar Nagar, Kapra, Mandal, Hyderabad – 500078, Telangana, India.*
- P-19** **Design, synthesis and biological evaluation of 2-aminobenzimidazoles as Quorum Sensing inhibitors in *Pseudomonas aeruginosa***
A. Inarayanan, Nandikolla,^[a] Singireddi Srinivasarao,^[a] Shashidhar Nizalapur,^[b] Sankaranarayanan Murugesan,^[c] and Kondapalli Venkata Gowri Chandra Sekhar* ^[a]
^a*Department of Chemistry, Birla Institute of Technology and Science, Pilani, Hyderabad Campus, Jawahar Nagar, KapraMandal, Hyderabad – 500078, Telangana, India.*
^b*School of Chemistry, University of New South Wales, Sydney, New South Wales 2052, Australia.*
^c*Department of Pharmacy, Birla Institute of Technology and Science, Pilani, Hyderabad Campus, Jawahar Nagar, Kapra Mandal, Hyderabad-500 078, Telangana, India.*



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- P-20** **Eco-friendly and rapid Antimarkonikov Hydrothiolation of styrenes using Formic acid**
Aakriti Sood¹, Rahul Upadhyay^{1,2}, Rohit Rana^{1,2}, Sushil K. Maurya^{1,2*}
¹CSIR Institute of Himalayan Bioresource Technology Palampur, Himachal Pradesh, India-176061
²Academy of Scientific and Innovative Research, CSIR-HRDC, Ghaziabad, Uttar Pradesh, India-201002
- P-21** **Design, Synthesis and Characterizations of a Novel Series of Polyfunctionalized Fused Pyrimidines for their Biological Potential**
N. Verma and D. N. Singh
Department of Chemistry, K. S. Saket PG College, Dr. Ram Manohar Lohia Avadh University Ayodhya-224001, India
- P-22** **Green and efficient one-pot synthesis of 2,3-dihydroquinazolin-4(1H)-ones and their anthelmintic studies**
George Kupar Kharmawlong, Rishanlang Nongkhlaw*Department of Chemistry, North-Eastern Hill University, Shillong, Meghalaya – 793022, India
- P-23** **Development of heterogeneous nano-catalyst and its applications for valorisation of CO/CO₂ through greener and sustainable approaches**
Shaifali^{a,b}, Yamini^{a,b} and Pralay Das^{*a,b}
^aNatural Product Chemistry & Process Development Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur -176061, H.P., India.
^bAcademy of Scientific & Innovative Research (AcSIR), New Delhi, India.
- P-24** **Essential Oil Fraction of Oregano Abrogates *V. cholerae* Pathogenesis**
Das Suman¹, Mukhopadhyay Asish K.², Chatterjee Nabendu S.¹
¹Division of Biochemistry, ICMR – NICED, Kolkata-700010, West Bengal, India
²Division of Bacteriology, ICMR – NICED Kolkata-700010, West Bengal, India
- P-25** **Understanding the Prevalence and Expression of Virulence Factors harbored by Enterotoxigenic *Escherichia coli***
Bhakat Debjyoti¹, Mondal Indranil¹, Mukhopadhyay Asish K.², Chatterjee Nabendu S.¹
¹Division of Biochemistry, Indian Council of Medical Research-National Institute of Cholera and Enteric Diseases, Kolkata - 700 010, West Bengal, India.
²Division of Bacteriology, Indian Council of Medical Research-National Institute of Cholera and Enteric Diseases, Kolkata - 700 010, West Bengal, India.
- P-26** **Pyrazolo[4,3-e][1,2,4]triazolo[1,5-c]pyrimidin-5-amine Functionalized Congeners as Bitopic Fluorescent Antagonists of A_{2A} AR**
Shireesha Boyapati,^{a,e} Romain Duroux,^{a,d,f} Antonella Ciancetta,^{a,f} Philip Mannes,^a Jinha Yu,^a Elizabeth Gizewski,^b Said Yous,^d Francisco Ciruela,^c John A. Auchampach,^b Zhan-Guo Gao,^a and Kenneth A. Jacobson^{a*}
^aMolecular Recognition Section, Laboratory of Bioorganic Chemistry, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, Bethesda, MD 20892, USA;
^bDepartment of Pharmacology, Medical College of Wisconsin, 8701 Watertown Plank Road, Milwaukee, Wisconsin 53226 USA.;
^cUnitat de Farmacologia, Departament Patologia i Terapeutica Experimental, Facultat de Medicina, IDIBELL, Universitat de Barcelona, 08907 L'Hospitalet de Llobregat, Spain.



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^dUniv. Lille, Inserm, CHU Lille, UMR-S 1172 - JPArc - Centre de Recherche Jean-Pierre AUBERT Neurosciences et Cancer, F-59000 Lille, France.

^eDepartment of Pharmaceutical Chemistry, Telangana University, Nizamabad, Telangana, India-503322;

^fContributedequally;Correspondingauthor:Dr.K.A.Jacobson;

- P-27** **Molecular structural Flexibility dependence of mesomorphism through ortho –Substituted nitro group”**
Sagar Ravalia, U. C. Bhoya^{a*}
Chemical Research laboratory, Department of Chemistry, Saurashtra University Rajkot-360 005 (Gujarat) India
- P-28** **Design and Synthesis of Formic acid Catalyzed and Cyclised Novel Modified Route for N,7-diphenyl-7H-benzo[7,8]chromeno[2,3-d]pyrimidin-8-amine derivatives and Study of their Antimicrobial profile**
KapilkumarL.Galachar, YogeshT.Naliapara
DepartmentofChemistry, SaurashtraUniversity, Rajkot360005, India
- P-29** **A rapid one-pot Synthesis and Biological Evaluation of Novel 1,2,4-Triazolo[1,5-a] pyrimidines**
V. H. Shah, M. H. Chauhan
- P-30** **Synthesis and Biological evaluation of Highly Functionalized Derivatives of Acredonyl-Pyrimidines via Chalcone formation**
V. H. Shah, H. P. Parekh
- P-31** **Trifluoroacetic Acid Catalyst for Self-Condensation of Acetophenones in Presence of Selenium Dioxide: Enantioselective Synthesis of Fused [1,3]dioxolo[4,5-d][1,3]dioxoles.**
Ibakyntiew D.Marpna, Tyrchain Mitre Lipon, Bekington Myrboh
Centre for Advance Studies in Chemistry, Department of Chemistry, North Eastern Hill University, Shillong, 793022, India.
- P-32** **Synthesis and Molecular folding studies in Pyranone Carboxamide through 1, 2- diamino benzene bridge**
Neha Kumari, Surabhi Kumari, Prem Kumar Kushwaha, Dr. Ashoke Sharon
Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi- 835215, India
- P-33** **Bromination of α,β -Unsaturated ketones using N-Bromosuccinimide in the presence of Selenium Dioxide and p-Toluene sulfonic acid: An efficient protocol for the synthesis of (E)-1-bromo-4-arylbut-3-en-2-one.**
Tyrchain Mitre Lipon, Ibakyntiew D. Marpna, Bekington Myrboh
^aCentre for Advanced Studies in Chemistry, Department of Chemistry, North-Eastern Hill University, Shillong- 793022, India



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- P-34** **FACILC SYNTHESIS OF SOME 3-METHYL-1, 4 – DIHYDROPYRANO [2, 3-C] PYRAZOLE DERIVATIVES AND THEIR ANTICANCER ACTIVITY**
Navneet P. Mori^a, Dhaval R. Kundaliya and Ranjan C. Khunt^a
^aChemical Research Laboratory, Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India.
- P-35** **ONE POT SYNTHESIS OF SOME 3-METHYL-1, 4 – DIHYDROPYRANO [2,3-C]PYRAZOLE DERIVATIVES AND ITS ANTICANCER SCREENING**
Amita J. Jivani^a, Vishva D. Chaudhary and Ranjan C. Khunt^a
^aChemical Research Laboratory, Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India.
- P-36** **GREEN APPROACH FOR SYNTHESIS OF 3-METHYL-1,4 – DIHYDROPYRANO [2,3-C]PYRAZOLE DERIVATIVES AS ANTICANCER AGENTS**
Priti K. Parmar, Megha P. Danidharia and Ranjan C. Khunt^a
^aChemical Research Laboratory, Department of Chemistry, Saurashtra University, Rajkot, Gujarat, India.
- P-37** **Isolation of chemical markers and their quantification for quality control of *Polygonatum verticillatum***
Shruti Sharma, Dinesh Kumar
Natural Product Chemistry and Process Development Division, CSIR-Institute of Himalayan Bioresource Technology, Palampur-176 061 (HP), India.
- P-38** **QUINOLONE ESTERTAGGED THIAZOLESUBSTITUTED TACRINE ANALOGS AS DUAL BONDING SITE ACETYLCHOLINESTERASE INHIBITORS FOR ALZHEIMERS TREATMENT**
Prachi Sharma, Dr. Paritosh Shukla
Department of Chemistry, Vidya Vihar, BITS Pilani, Pilani campus, Rajasthan, 333031;
- P-39** **Isolation of starch from turmeric residues and its characterization**
Komalatha Nakkala and K. S. Laddha
Medicinal and Natural Products Research Laboratory, Department of Pharmaceutical Sciences and Technology, Institute of Chemical Technology, Matunga, Mumbai, Maharashtra-400019, India.
- P-40** **Spectrophotometric determination of hydrophilic Crystal violet dye with Spices derivative analogue Nutraceutical Chilli seed spent**
Chaya G and Bibi Ahmadi Khaton
Department of Chemistry, Yuvarajas College (Autonomous), University of Mysore, Mysuru, Karnataka, India
Corresponding author at: Department of Chemistry, Yuvarajas College (Autonomous), University of Mysore, Mysuru- 570006, Karnataka, India.



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- P-41** **Characterization of novel Isoxazolone(4-Arylmethylidene-3-substituted-Isoxazol-5(4H)-ones) derivatives as anticancer compounds using *Insilico* methods**
Ms. RujutaDeshpande¹, Dr. Abhijit Chavan², Dr. Pravin Mhaske², Mr. Narendra Nyayanit³, Dr. Manisha Modak*
¹Department of Zoology, Modern College Of Arts, Science and Commerce, Shivajinagar, Pune 411005
²Department of Chemistry, Sir Parashurambhau College, Tilak road, Pune 411030
³Department of Zoology, Sir Parashurambhau College, Tilak road, Pune 411030
*Department of Zoology, Sir Parashurambhau College, Tilak road, Pune 411030
- P-42** **Development of naturally inspired (E)-3-(4-hydroxy-3-methoxyphenyl)-1-(4-phenylpiperazin-1-yl)prop-2-en-1-one derivatives as multifunctional agents for the treatment of Alzheimer's disease**
Atanu Barik, Yash Pal Singh, Lovejit Singh, Gauri Shankar, Gourav Singh, Himanshu Rai, Gyan Modi¹
¹Department of Pharmaceutical Engineering & Technology, Indian Institute of Technology (Banaras Hindu University), Varanasi, 221005, India.#
- P-43** **Synthetic and mechanistic studies on the organo-nanocatalyzed synthesis of Spirooxindole derivatives under ultrasonication and its activity against *raillietina sp* and *syphaciaobvelata***
Arup Dutta and Rishanlang Nongkhaw
Department of Chemistry, North-Eastern Hill University, Shillong, Meghalaya-793022, India,
- P-44** **N-Heteroarylation and Solvent-Switched Acetoxylation and Alkoxylation in Mannich Bases of Imidazopyridines via PIDA-Mediated 1,2-Ipso-Migration**
SonamJaspal, Om P. S. Patel, Nitesh K Nandwana, and Anil Kumar
Department of Chemistry, Birla Institute of Technology & Science Pilani, Pilani Campus, Rajasthan, 333031, India
- P-45** **A Novel One-pot Co(II)-catalyzed Synthesis of Imidazopyridine Derivatives**
Neha Meena,¹ Vikki N. Shinde,¹ Sonam Jaspal,¹ Hemant Joshi² and Anil Kumar*¹
¹Department of Chemistry, BITS Pilani, Pilani Campus, Pilani, Rajasthan 333031, India
²Department of Chemistry, School of Chemical Sciences and Pharmacy, Central University of Rajasthan, Ajmer, Rajasthan 305817, India
- P-46** **Effect of Short-term westernized (HFFD) on glucose homeostasis, Hippocampal insulin signaling, and related cognitive and recognition memory function.**
Puneet Kumar Samaiya^a & Yussuf Hussain^b
^a Shri G.S. Institute of Technology and Science, Indore-452003(M.P), India
^b Molecular Bio-Prospection Department, Central Institute of Medicinal and Aromatic Plants CSIR-CIMAP, Lucknow- 226015 (U.P.), India



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- P-47** **Ruthenium Catalyzed [4+1] Annulation of 1-Arylindazolone with acrylates: An Access to indazoloindazolone derivatives**
Chikkagundagal K. Mahesha,^aPidiyaraKarishma, and Rajeev Sakhuja^a
^aDepartment of Chemistry, Birla Institute & Science, Pilani, Rajasthan, 33301, India.
- P-48** **Facile Synthesis of N-Arylquinolinoporphyriins via PIFA-Promoted Oxidative Cyclization of β -Aminotetraarylporphyrins**
Taur Prakash Pandurang,²Santosh B.Khandagale and Dalip Kumar
Department of Chemistry, Birla Institute of Technology and Science, Pilani 333031 (Rajasthan) India
- P-49** **Indolyl- α -keto-1,3,4-oxadiazoles as Tubulin Interacting Agents**
Monika Malik¹, Mukund P. Tantak¹, Rachna Sadana² and Dalip Kumar¹
¹Department of Chemistry, Birla Institute of Technology and Science, Pilani 333 031, Rajasthan, India
²Department of Natural Sciences, University of Houston–Downtown, Houston, TX 77002, USA
- P-50** **DEVELOPMENT AND VALIDATION OF A STABILITY INDICATING RP-HPLC METHOD FOR SELEXIPAG**
Dayanand Manjaramkar, P. D. Hamrapurkar
Department Of Pharmaceutical Analysis, Prin. K. M. Kundnani College Of Pharmacy, Plot No. 23, Jote Joy Building, Rambhau Salgaonkar Rd, Cuffe Parade, Mumbai, Maharashtra 400005
- P-51** **TiO₂ as reusable catalyst for synthesis of 5-arylidine-2,4-thiazolidinediones under solvent free conditions.**
Gauri Rajesh Wagh, Nikita Satish Masal and Santosh Laxman Khillare
P.G. Department of Chemistry, Agricultural Development Trust's , Sharadabai Pawar Mahila Mahavidyalay , Shardanagar, Baramati, District Pune, Maharashtra (India).
- P-52** **Zinc oxide nano-powder catalyzed efficient synthesis of quinazolinone derivatives under solvent free conditions**
Khalate N.G. Ransing P.D., and *More P.E.
P.G. Department of Chemistry, Agricultural Development Trust's , Sharadabai Pawar Mahila Mahavidyalay , Shardanagar, Baramati, District Pune, Maharashtra (India).
- P-53** **Environmental friendly efficient synthesis of benzimidazole and benzthiazole derivatives under aqueous medium**
Jagtap P.D., Dhotre S.D., Maske B. A., and *More P.E.
P.G. Department of Chemistry, Agricultural Development Trust's , Sharadabai Pawar Mahila Mahavidyalay , Shardanagar, Baramati, District Pune, Maharashtra (India).
- P-54** **Uncatalyzed direct conversion of aldehydes into nitriles under aqueous medium**
Gaddhave T.D., Kudale A.R. and *More P.E
P.G. Department of Chemistry, Agricultural Development Trust's , Sharadabai Pawar Mahila Mahavidyalay , Shardanagar, Baramati, District Pune, Maharashtra (India).



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- P-55** **Title: “ Synthesis, characterization and biological activity of some new tert-butyl 4-5-Aryl-2-(furan-2-yl)-1H-benzo[d]imidazol-1-yl)piperidine-1-carboxylate derivatives”**
Tejasvi H. Parmar and Chetan B. Sangani*
Department of Chemistry, Shri M.M Patel Institute of Sciences and Research, Kadi Sarva Vishwavidyalaya, Gandhinagar- 382016,Gujarat (INDIA)
- P-56** **DoE based Failure Mode and Critical Effect Analysis to Development of Eco-friendly and Economical Chromatographic Method for Estimation of Multiple Combined Formulations of Paracetamol**
Ms. Hilomi S. Shah, Dr. Pintu B. Prajapati, Dr. Shailesh A. Shah
Department of Quality Assurance, Maliba Pharmacy College, Bardoli- Mahuva road, Tarsadi, Dist. - Surat, Gujarat, India-394350
- P-57** **PLASMODIUM FALCIPARUM DIHYDROOROTATE DEHYDROGENASE (PFDHODH): A TARGET FOR ANTIMALARIAL DRUG DISCOVERY**
Tanvi Shukla, Vivek Vyas
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad, 382 481 Gujarat, India
- P-58** **TO STUDY THE REGULATORY REQUIREMENTS FOR EXPORT OF PHARMACEUTICALS BY MERCHANT EXPORTER WITH EMPHASIS ON CONTRACT MANUFACTURING REQUIREMENTS IN INDIA, USA AND EUROPE**
RUTWA SONI¹, HARDIK BHATT^{2*}
¹ *Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad 382 481. India.*
² *Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad 382 481. India.*
- P-59** **Method development on Ibrutinib and its Impurities Characterization by HPLC**
Yogita Vyas¹, Hardik Bhatt², Virpal Gohil³
¹ *Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad 382 481. India.*
² *Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad 382 481. India.*
³ *Department of ADD-DMPK, Sun Pharma Advanced Research Company Limited, Vadodara 390020. India.*
- P-60** **A novel approach towards the synthesis of pyridazine derivatives**
Dhavale V.V., Mane S.S., and Shinde N.S.
P.G. Department of Chemistry, Agricultural Development Trust's, Sharadabai Pawar Mahila Mahavidyalaya, Shardanagar, Baramati, District Pune, Maharashtra (India).



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- P-61** **Prediction, preparation, characterization, and evaluation of brexpiprazolecocrystal: a compelling case of stability improvement by cocrystallization**
Mohsin R. Arabiani^a, Bal Raju K^c, SurajitBunia^b, PylaKranthiTeja^b, Anurag Lodagekar^d, Rahul B. Chavan^c, Nalini R. Shastri^d, C MallaReddy^b, PragnaShelat^e, DivyangDave^e
^aKadiSarvaVishwavidyalaya, Gandhinagar, Gujarat, India
^bDepartment of Chemical Sciences, Indian Institute of Science Education and Research (IISER) Kolkata, Mohanpur Campus, Mohanpur 741 246, India
^cAnneal Pharmaceuticals Pvt. Ltd, Ahmedabad, Gujarat, India
^dSolid State Pharmaceutical Research Group (SSPRG), Department of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, India
^eK. B. Institute of Pharmaceutical Education and Research, KadiSarvaVishwavidyalaya, Gandhinagar, Gujarat, India
- P-62** **Development and validation of HPTLC method for simultaneous estimation of Mirabegron and Solifenacin succinate in its synthetic mixture**
Patel Varni, Patel Ami, Lodha Sandesh, Shah S
- P-63** **The clinical manifestation of polycystic ovarian syndrome and its association with various risk factors.**
Patel Snehal¹, Desai Namrata², Tiwari Ruchi³
¹Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad- 382481.
²Cliantha Research Centre, Ahmedabad- 382481, Gujarat, India. Author's Name: R. Y. Tiwari,
³APCER Life Sciences, SG Highway, Ahmedabad – 380015, Gujarat,
- P-64** **SOLID AS SOLVENT™- NOVEL TECHNIQUE FOR SPECTROPHOTOMETRIC ESTIMATION OF METRONIDAZOLE TABLETS USING SOLIDS (EUTECTIC LIQUID OF PHENOL AND METFORMIN HYDROCHLORIDE) AS SOLUBLIZING AGENT (MIXED SOLVENCY CONCEPT)**
R.K. Maheshwari, Shubham Patel
Department of Pharmacy, Shri G.S. Institute of Technology and Science, Indore, India-452003
- P-65** **Emerging role of nanoparticle using herbal extract in Alzheimer's disease**
Semina Hamirani, Dr. Charmy Kothari
Dept. of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Sarkhej - Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481.
- P-66** **REGULATORY COMPLIANCE MANAGEMENT OF TRANSDERMAL PATCHES**
Khandhara Vraj, Tasneem Rangwala, Kothari Charmy
M.Pharm in Regulatory Affairs, Department of Pharmaceutical Analysis
Institute of Pharmacy, Nirma University



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- P-67** **Synthesis and Crystal Structure Studies of Pyranone-Isoxazole Fused Scaffold**
Uttam Kumar Mishra, Sarika Verma, Dr. Ashoke Sharon, Dr. Chandralata Bal
Department of Chemistry, Birla Institute of Technology, Mesra, Ranchi, Jharkhand-835215.
- P-68** **Expedited Regulatory Review in the US, the EU, and Japan**
Shravani Wagh, Nagja Tripathi
Department of Regulatory Affairs, Institute of Pharmacy, NIRMA University.
- P-69** **Quantification Of Bimatoprost In Pharmaceutical Formulation Using High-Performance Liquid Chromatography**
Akshita Doshi (29-09-1996), Nrupesh Patel, Murlidhar Zope
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad 382 481, India.
Department of ADD-NON ORALS, Sun Pharma Advanced Research Company Limited, Vadodara 390 020, India.
- P-70** **Electrochemistry and Neurotransmitter**
Astha Shah, Nrupesh Patel
Dept. of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Sarkhej - Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481.
- P-71** **3D QSAR Studies of Imidazo[1,2-a]pyrimidin-5(1H)-one and 1,2,4-Triazolo[1,5-a]pyrimidin-7(3H)-one Derivatives as Phosphoinositide 3-Kinase (PI3K)- β Inhibitors**
Palak Parikh*, Shreya Mehta, Manjunath Ghate
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, S. G. Highway, Ahmedabad-382481, Gujarat, India.
- P-72** **USE OF ACTIVATED CHARCOAL IN WASTEWATER TREATMENT**
Phule R. A¹., Jambhale S. M¹., Dhok R.P².
¹*P.G. Student, Dept. of Chemistry, Shardabai Pawar Mahila College, Shardanagar, Baramati, India*
²*Dept. of Chemistry, Shardabai Pawar Mahila College, Shardanagar, Baramati, India*
- P-73** **COMPARATIVE EVALUATION OF TIZANIDINE AND BACLOFEN IN SPASTICITY**
Bhoomika M. Patel, Hemangi Rawal
Department of Pharmacology, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, Ahmedabad, Gujarat 382481
- P-74** **FANCONI ANEMIA: A MULTISYSTEM DISORDER**
Richa Mehra, Sahilraj Nagvadiya, Janki Patel, Hardik Bhatt
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad 382 481, India.
- P-75** **Prospects of Nano-Formulations for Managing Dry Eye Disease (DED)**
Barot Harshit, Butani Shital
Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, Chharodi, Ahmedabad



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- P-76** **MIND THE GAP: INVESTIGATING THE ROLE OF COLLECTIVE ACTION IN THE EVOLUTION OF INDIAN MEDICAL DEVICE REGULATION**
DRISHTI DAVE⁽¹⁾, DR. DIPAL GANDHI^{(2)*}
¹Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad 382481, India
²Department of Pharmacognosy, Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad 382481, India
- P-77** **Development of EEG Biomarker for Alzheimer's Disease**
Ashruti Jadvani
Institute of Pharmacy, Nirma University Sarkhej - Gandhinagar Hwy, Gota, Ahmedabad, Gujarat 382481
- P-78** **New World of Biosimilars: An Emerging Market Opportunity in India**
Mohit Doshi C, Dr. Priti Mehta
Master of pharmacy in Regulatory Affairs, Institute of Pharmacy, Nirma University.
- P-79** **Physiologically based pharmacokinetic (PBPK) modeling to predict pharmacokinetic profile of Abiraterone Acetate**
Dahiya Sandeep^{1,2}, Savjani Ketan², Savjani Jignasa³
¹Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad 382481, India.
²Emcure Pharmaceuticals Ltd., Uvarsad Square, S.G. Highway, Adalaj, Gandhinagar 382421, India.
³Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad 382481, India.
- P-80** **Design, Synthesis and Pharmacological Evaluation of Small Molecules targeting Histone Deacetylase Inhibitors (HDAC) as Anti-Cancer Agents**
Gediya Piyush, Ghate Manjunath
Institute of Pharmacy, Nirma University, Ahmedabad
- P-81** **MICROWAVE ASSISTED ACCELERATED STABILITY STUDY OF AMLODIPINEBESYLATE**
Shivani Shah, Dhruvi Gandhi, Priti J Mehta
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad, India.
- P-82** **Current studies of analytical method for the determination of Gefitinib**
Drashti Thakkar, Charmy Kothari
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad 382 481, India.
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Dhruv Jayswal, Dr. Charmy S Kothari
Department of Pharmaceutical Analysis (Regulatory Affairs), Institute of Pharmacy NIRMA University, Sarkhej-Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481, INDIA



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- P-84 FORMULATION DEVELOPMENT OF ANTI-EMETIC LOZENGES FOR TREATMENT OF MOTION SICKNESS**
Aditya Thole, Dr. Mohit Shah*
Pharmaceutical technology, Institute of Pharmacy Nirma University, S.G. Highway, Ahmedabad.
- P-85 ANALYTICAL APPROACH FOR COMBINATION OF SIMVASTATIN AND FENOFIBRATE IN MIXED HYPERLIPIDEMIA**
Thakkar Princy¹, Charmy Kothari², Manjunath Ghate*
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad
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Sahilraj Nagvadiya, Richa Mehra, Janki Patel, Jignasa Savjani*
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad 382 481, India.
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Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad
- P-88 Review on Regulatory Aspects of Nano-medicines**
Yellamraju Sravya Srivani (25 Dec 1997), Dr. Nrupesh Patel
Department of Pharmaceutical Analysis (Regulatory Affairs), Institute of Pharmacy, Nirma University Sarkhej - Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481, India
- P-89 BE A VEGETARIAN**
ALISHA PATEL
INSTITUTE OF PHARMACY, NIRMA UNIVERSITY, AHMEDABAD
- P-90 Role of tyrosine kinase receptor in type 2 diabetes**
Shreya Patel¹, Tirth Patel¹, Megha Davada¹, Snehal Patel¹
Department of Pharmacology, Institute of pharmacy, Nirma University, Ahmedabad-382481 India
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INSTITUTE OF PHARMACY, NIRMA UNIVERSITY
- P-92 Biodegradable polymers: Properties and Application**
Mansi Shah, Dr. Nrupesh Patel
Dept. of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Sarkhej - Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481.
- P-93 Regulatory Framework of Biosimilars in EU: Opportunities and Challenges**
Shubhi Pamecha (18 Apr 1998), Dr. Bhoomika M. Patel
Department of Pharmaceutical Analysis (Regulatory Affairs), Institute of Pharmacy, Nirma University Sarkhej - Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481



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- P-94** **SCREENING AND SELECTION OF COFORMER FOR LUCRATIVE COCRYSTAL FORMATION**
DATTATRAYA J YADAV^{*}, JIGNASA K. SAVJANI
Department of Pharmaceutical chemistry, Institute of Pharmacy, Nirma University, Ahmedabad 382481
- P-95** **PHARMACOVIGILANCE REGULATORY FRAMEWORK OF INDIA, SOUTH KOREA AND CHINA**
Apoorva Kulkarni, Manan Shah, Charmy S Kothari
Department of Pharmaceutical Analysis (Regulatory Affairs), Institute of Pharmacy, Nirma University, SG Highway, Ahmedabad-382481
- P-96** **Nanopreparations for mitochondria targeting drug delivery system**
Abhi Patel(B.Pharm), Avnish Patel(B.Pharm)
Department of Pharmaceutics, Institute of pharmacy, Nirma University, Ahmedabad-382481 India
- P-97** **4-SUBSTITUTED COUMARIN AS ANTICANCER AGENT, A REVIEW**
Shaival N. Bhatt, Dr. Manjunath Ghatge
Department of Pharmaceutical chemistry, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar highway, Gota, Ahmedabad, Gujarat382481, India.
- P-98** **ELECTROSPINNING OF NANOFIBERS AND THEIR APPLICATIONS**
Avnish Patel(B.Pharm), Abhi Patel(B.Pharm)
Department of Pharmaceutics, Institute of pharmacy, Nirma University, Ahmedabad-382481 India
- P-99** **Recent Advances in the Discovery of Small Molecule EGFR Inhibitors**
Janki Patel, Richa Mehra, Sahilraj Nagvadiya, Palak Parikh
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad-382 481, India.
- P-100** **Current Regulatory Authority Actions against Misbranded and Adulterated Drugs in India**
Presenting author: Kushal C. Vadera
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, S.G.Highway, Ahmedabad-382482
- P-101** **CRISPRi/CAS9 BASED DESIGNING OF sgRNA FOR SUPPRESSION OF sgt1 GENE IN POTATO**
Rohi T. Bhatt, Dr. Budhi Sagar Tiwari
Department of Biological Sciences and Biotechnology, Institute of Advanced Research, Gandhinagar institutional area, Koba, Gujarat 382426, India.
- P-102** **Role of Anti-diabetic agent in modulation of depressive-like behavior comorbid with glucose intolerance: Activation of AMPK**
Vishal Chavda^{2a}, Harsh Maru¹, Snehal S Patel^{2b*}
¹Department of Pharmacology, CBCC Global Research, S G Highway, Ahmadabad, Gujarat, India.
^{ab}Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, India.



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- P-103** **Development and validation of stability indicating RP-HPLC method for simultaneous determination of Abacavir sulphate and Lamivudine in tablet dosage form and forced degradation study by QbD approach**
Shivani Shah, Femisha Patel, Arpit Bana, Priti Mehta
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University.
- P-104** **Enhancement in Transdermal Permeation of Lipophilic Drug by Preparing Nanoemulgel**
Parth R. Patel, Dr. Jigar Shah
Pharmaceutical Technology, Institute of Pharmacy Nirma University, S.G. Highway, Ahmedabad.
- P-105** **21st CENTURY CURES ACT**
Manali Maheshwari (04 Nov 1997), Dipal Gandhi
Department of Pharmaceutical Analysis (Regulatory Affairs), Institute of Pharmacy, Nirma University Sarkhej - Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481
- P-106** **Mellitus and Alzheimer's Disease: Bridging pathophysiology**
Harshvi Bhavsar
Institute Of Pharmacy, Nirma University
- P-107** **Mechanochemistry as a sustainable technique for the synthesis of drugs**
Ananya Shah
Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway
- P-108** **New molecular insights into dual inhibitors of tankyrase as Wnt signalling antagonists: 3D-QSAR Studies on 4H-1,2,4-triazole derivatives for design of novel anticancer agents**
Chirag C. Mehta¹, Ankitkumar Patel¹, Hardik G. Bhatt¹
¹*Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad 382 481 India.*
**Address for correspondence: Institute of Pharmacy, Nirma University, S.G. Highway, Chharodi, Ahmedabad 382 481, India*
- P-109** **Self Nano-Emulsifying Drug Delivery Systems (SNEDDS) of Ezetimibe for Enhancement of Oral Bioavailability**
Mitali Paryani, Kajol Sevak and Shital Butani
Department of Pharmaceutics, Institute of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, Ahmedabad, Gujarat 382481
- P-110** **Current Regulation of Drug Eluting Cardiac Stent in USA, EU & India**
Jenish Parmar, Dr Priti Mehta
M.Pharm, Regulatory Affairs, Institute of Pharmacy, Nirma University
- P-111** **Microfluidic Devices for Detection of Cancer**
Dhwani Khandhar, Charmy Kothari
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University



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- P-113** **Recent Progress in the Development of Anaplastic Lymphoma Kinase (ALK) Inhibitors as Anti-Cancer Agents**
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Institute of Pharmacy, Nirma University, S.G Highway, Ahmedabad-382 481, Gujarat, India
- P-114** **Small Molecule Inhibitors Targeting Cyclin-Dependent Kinases in Human Cancers**
Tirth Patel, Shreya Patel, Palak Parikh*
Institute of Pharmacy, Nirma University, S.G Highway, Ahmedabad-382 481, Gujarat, India
- P-115** **The Influence of Nutrigenomics on Inflammation and other various Chronic diseases.**
Danani Jessica, Gandhi Dipal*
Department of Pharmacognosy, Institute of Pharmacy, Nirma University. Institute Of Pharmacy, Nirma University, Sarkhej Gandhinagar Highway, Chharodi, Ahmedabad 382-481
- P-116** **Regulatory account on Generic drug registration and inter comparison in CIS Countries.**
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Nirma University, Institute of Pharmacy Ahmedabad
- P-117** **Medical device regulations in Europe and China**
Presenting author: Prutha N Kathiria
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, S.G.Highway, Ahmedabad-382482
- P-118** **Recent Developments in Intracellular Organelle Targeted Delivery Using Nanoformulations**
Hemal Patel, Dhairya Patel, Bharat Rajmalani
Institute of Pharmacy, Nirma University, S.G Highway, Ahmedabad-382 481, Gujarat, India
- P-119** **CoMFA and CoMSIA Studies on 2-Methoxyacylhydrazone Derivatives as Phosphodiesterase 10A Inhibitors**
Bharat Rajmalani, Palak Parikh*, Harsh Amin
Institute of Pharmacy, Nirma University, S. G. Highway, Ahmedabad-382 481, Gujarat, India.
- P-120** **A Practical Approach: bridging of pharma projects designing and establishment with the regulatory requirements as per Current Indian regulations**
Krisha hiteshbhai soni
MPHARM (REGULATORY AFFAIRS)INSTITUTE OF PHARMACY, NIRMA UNIVERSITY Sarkhej - Gandhinagar Hwy, Gota, Ahmedabad, Gujarat 382481



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Rathod G, Patel H
Institute of Pharmacy, Nirma university
- P-122** **Nutraceuticals Guidelines and Regulations in USA, JAPAN And INDIA**
Prakash Seervi, Dr. Nagja Tripathi
Department of Pharmaceutical Analysis (Regulatory Affairs), Institute of Pharmacy, Nirma University, SG Highway, Ahmedabad-382481
- P-123** **Role of Arf in Lung Cancer**
Vashi Ruju, Patel Bhoomika
Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat.
- P-124** **Nanosuspension: A novel approach for poorly water soluble drug**
HimanshuMadhavani, Shital Butani
Department of Pharmaceutics, Institute of Pharmacy, Nirma University, SG highway, Ahmedabad
- P-125** **Review on: walnut Shell**
Helly shah* Guided by:Dr. Dipal Gandhi
Pharmaceutical Analysis, Institute of pharmacy,NirmaUniversity Near SGVP circle, S G highway , Ahmedabad
- P-126** **Camphor: A Review on Scientific Evidences and Medical Significance**
Dr. Dipal Gandhi, Mr. DakshDobariya
Department of Pharmacognosy, Institute of Pharmacy, Nirma University.
- P-127** **Medicinal chemistry approaches of PI3K inhibitors as anti-cancer agents.**
Shruti Chauhan, JignasaSavjani* Palak.Parikh
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, Ahmedabad-382481
- P-128** **Antibody Drug Conjugate for Cancer Therapy**
Maitiritwik, Bhumiika D patel
Institute of pharmacy ,Nirmauniversity, Ahmedabad, Gujarat
- P-129** **Application of current nanotechnology-based approaches in treatment of colorectal cancer (CRC)**
Patel Mayur, Preksha Vinchhi
Department of Pharmaceutics, Institute of Pharmacy, Nirma University, S-G Highway, Chharodi, Ahmedabad 382 481, Gujarat, India
- P-130** **Role of Liver X Receptors in Cardiovascular Diseases**
Tamhida Masi, Bhoomika Patel
Institute of Pharmacy, Nirma University, Ahmedabad. 382481



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- P-131** **Formulation, Characterization and Optimization of Matrix-Type Transdermal Patches Containing Clozapine using the Box–Behnken experimental design**
Milan B. Agrawal (03-05-1990), Mayur M. Patel
Department of Pharmaceutics, Institute of Pharmacy, Nirma University, S-G Highway, Chharodi, Ahmedabad 382 481, Gujarat, India
- P-132** **OLAPARIB NANO-DRUG DELIVERY SYSTEM FOR CANCER THERAPY**
Gohil Purav, Shah Mohit
Institute of pharmacy, Nirma university, Ahmedabad, Gujarat
- P-133** **Analytical tools for the characterization of viral vectors**
Nishtha Soni, Dr. Charmy Kothari
Department of Pharmaceutical Analysis, Institute of Pharmacy Nirma University
- P-134** **EVALUATION OF ANTIOXIDANT EFFECT OF FERULIC AND FOLIC ACID ON ALCOHOL INDUCED LIVER INJURY IN WISTAR RATS**
Dhairya Bhatt, Dr. Shital Panchal
Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, India.
- P-135** **Drug discovery & development targeting G-Protein Coupled Receptor 40 (GPR 40) for Type-2 diabetes mellitus (T2DM)**
Bhavin Sahani; Bharat Rajmalani, Palak Parikh
Institute of Pharmacy, Nirma University, S.G Highway, Ahmedabad, GJ, India
- P-136** **ROLE OF NIMA RELATED KINASE 2 (NEK-2) IN LUNG CANCER**
Darshak Shah, Dr. Bhumika M. Patel
Department Of Pharmacology, Institute Of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, 382481
- P-137** **Nanocarriers involved in Transdermal drug Delivery**
Rishabh Agrawal, Dr Jigar Shah*
Department of Pharmaceutics, Institute of Pharmacy, Nirma University, SG highway, Ahmedabad
- P-138** **MEDICINAL CHEMISTRY APPROACHES OF SURVIVIN INHIBITORS**
Heena V. Rathi, Bhumika D. Patel
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad 382481. India
- P-139** **EFFECT OF TOLUENE, AN ENVIRONMENTAL TOXIN IN CNS FUNCTIONS**
Shital Panchal, Raoul Onattu
Dept. of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad



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- P-140** **Treatment of atopic dermatitis by Nanostructured Lipidic Carriers (NLC)**
Mayur Chaudhary, Dr. Mayur M. Patel*
Pharmaceutical Technology, Institute of Pharmacy, Nirma University, S.G.Highway, Ahmedabad.
- P-141** **AI ADVANCES BEYOND DRUG DISCOVERY**
RICH A PATEL
(INSTITUTE OF PHARMACY NIRMA UNIVERSITY.)
- P-142** **REGULATORY PATHWAY FOR BIOTECHNOLOGY PRODUCTS IN INDIA**
TASNEEM RANGWALA
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- P-143** **Eugenol improves motor defect and blood brain barrier disruption induced by traumatic brain injury.**
Jeet Barot¹, Bhagawati Saxena²
Institute of Pharmacy, Nirma University, Chharodi, Ahmedabad, Gujarat, 382481.
- P-144** **Design and Synthesis of Nitrogen-containing Heterocyclic for the Inhibition of Telomerase in the treatment of Cancer**
Keerti A. Vishwakarma, Hardik G. Bhatt *
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad, 382481
- P-145** **Role of Liver X Receptors in Cardiovascular Diseases**
Masi Tamhida, Patel Bhoomika
Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat.
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INSTITUTE OF PHARMACY, NIRMA UNIVERSITY, AHMEDABAD
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M.Pharm in Regulatory Affairs (Department of Pharmaceutical Analysis) Institute of Pharmacy Nirma University
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Humera Memon*, Jigna Shah
Institute of Pharmacy, Nirma University, Ahmedabad 382481



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Megha Davada¹, Ekta Radadiya¹, Snehal Patel^{1*}
Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat.
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Jayakumari Sharma¹, Sarjak Chakravarti¹, Snehal Patel^{1*}
¹*Department of Pharmacology, Institute Of Pharmacy, Nirma University, Sarkhej Gandhinagar Highway Ahmedabad 382421*
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Manisha Nichani¹, Jimmy Patel¹, Shital Panchal^{1*}
Institute Of Pharmacy, Nirma University, Ahmedabad, Gujarat
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Rudranshu Sharma, Kartik H. Iyer, Dr. Tejal Mehta*
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Nilay Dave, Dr. Mayur M Patel
Department of Pharmaceutics, Institute of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, 382481
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Department of analysis(regulatory affairs), Institute of Pharmacy Nirma Univeristy, S.G Highway, Ahmedabad
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Department of Pharmaceutics Institute Of Pharmacy, Nirma University
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URVASHI JAIN* AND JITENDRA H. SINGH, DR. MAYUR PATEL
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Patel Drashti, Parikh Dhairvat
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Vora Urmi, Saxena Bhagwati
Institute of Pharmacy, Nirma University, Ahmedabad -382481, Gujarat.
- P-160** **Analytical approaches for Optimization of microneedle patches**
Manali Patel, Dr Charmy Kothari
Department of Pharmaceutical Analysis, Institute of Pharmacy Nirma University
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Academy of Scientific and Innovative Research, CSIR-HRDC, Ghaziabad, India-201002
CSIR-Institute of Himalayan Bioresource Technology, Palampur, India-176061
- P-164** **NEWER TARGETS FOR BREAST CANCER**
Bhumi Akhiani¹, Jigna Shah²
¹*Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad 382481, India.*
²*Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad 382481, India.*
- P-165** **A Review on Nanoemulsion Based Drug Delivery for Curcumin in Cancer Therapy**
Aradhana patel,*Dr.Mohit Shah
Department of pharmaceutics, Institute of pharmacy, Nirma University.
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Bina Amarnani¹, Swapnil Shah^{1*}, Jigna Shah^{1*}
Institute of Pharmacy, Nirma University, Ahmedabad Gujarat
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Bhagawati Saxena, Urmi Vora, Jeet Barot, Vivek Kumar Vyas
Address/Affiliation: Department of Pharmacology, Institute of Pharmacy, Nirma University, S.G. Highway, Ahmedabad, 382481, India



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Karmani J.Shah, Bhumika D. Patel, Hardik G. Bhatt, Vivek K. Vyas
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, Ahmedabad-382 481
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Manoj K Maurya, RaghevLangeh, Anuradha J, SandeepTripathi, Dushyant Singh Chauhan*
Department of Advanced Science & Technology, Faculty of Science & Engineering, Nims University Rajasthan, Jaipur 303121 India
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RaghevLangeh, Manoj K Maurya, Anuradha J, SandeepTripathi, Dushyant Singh Chauhan
Department of Advanced Science & Technology, Faculty of Science & Engineering, Nims University Rajasthan, Jaipur 303121 India
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Solanki Nilay¹, KanthariaShehnaz²
¹*Ramanbhai Patel College of Pharmacy, Department of Pharmacology, CHARUSAT, Changa;*
²*Oncology Surgeon, Kailash Cancer hospital and research center, Vadodara*
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Dr. Mital Patel^{1,2}, Dr. Charmy Kothari²
¹*Shobhaben Prathapbhai Patel School of Pharmacy and Technology Management, SVKM's NMIMS-Deemed to be University, Mumbai, India.*
²*Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad, India.*
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Vivek S. Mewada, Dr Jigar N. Shah
Department of Pharmaceutics, Institute of Pharmacy
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Dhruv Soni, Dr.Tejal Mehta*
Pharmaceutical Technology, Institute of Pharmacy Nirma University, S.G. Highway, Ahmedabad.
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Sweta Singh*, Mayur Patel
Department of Pharmaceutics, Institute of pharmacy, Nirma University, Ahmedabad



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Madiha A. Siddiqui, Satish V. Akolkar, Bapurao B. Shingate,
Department of Chemistry, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431 004, Maharashtra (India)
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Kalaga Mahalakshmi Naidu^{a,b}, Kondapalli Venkata Gowri Chandra Sekhar
^a*Department of Chemistry, BITS-Pilani, Hyderabad campus, Hyderabad-500078, Telangana, INDIA;*
^b*TCG Life sciences Ltd-Chembiotek, Plot No-7, BN block, Salt lake city, Kolkata-700091, INDIA;*
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Sheth Srusti, Parikh Dhaivat*
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Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad-382481
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Ashutosh Saxena
Institute of Pharmacy, Nirma University, Ahmedabad
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Yugant Jain, Nrupesh Patel*
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad 382 481, India.



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Harbansh Singla, Ankita Singh and Ashok K. Prasad*
**Bioorganic Laboratory, Department of Chemistry, University of Delhi, Delhi-110007*
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Sunil K. Mishra
Department of Pharmaceutical Engineering and Technology, IIT (BHU), Varanasi
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Sandeep Kumar and Ashok K. Prasad*
Bioorganic Laboratory, Department of Chemistry, University of Delhi, Delhi-110 007, India
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Bhawani Shankar^{1,2} and Ashok K. Prasad^{1*}
¹*Bioorganic Laboratory, Department of Chemistry, University of Delhi, Delhi - 110 007*
²*Department of Chemistry, Deshbandhu College, University of Delhi, Kalkaji, Delhi - 110 019*
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ABHISHEK PAL, Dr. BHAGWATI SAXENA*
Department of Pharmacology, Institute of pharmacy, Nirma University, SG highway, Gota, Ahmedabad-382481
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Department of pharmaceuticals, Institute of pharmacy, Nirma university Sarkhej-Gandhinagar Highway, 382481
- P-191** **Successive Extraction And Preliminary Phytochemical Testing of Different Extract of Lepidium Sativum Linn. Seeds**
Baregama Chetna¹, Dr. Goyal Anju²
¹*Associate Professor, Department of Medicinal and Pharmaceutical Chemistry, B.R.Nahata College of Pharmacy, Mandsaur University, Mhow-Neemuch Road, Mandsaur- 458001, Madhya Pradesh, India. & Ph. D scholar, B. N. University, Udaipur, Rajasthan*
²*Professor, B. N. Institute of Pharmaceutical Sciences, B. N. University, Udaipur, Rajasthan*
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Bioorganic Laboratory, Department of Chemistry, University of Delhi, Delhi-110007
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Nandita Baxi
Department of Microbiology and Biotechnology Centre- M S University of Baroda. 390002



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Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Ahmedabad 382 481, India.
- P-195** **N-Directed Pd-Catalyzed Direct Ortho-Acetoxylation and Ortho-tert-butoxylation of 2-Phenyl-4H-Benzo[d][1,3]oxazin-4-ones via C-H Activation**
Sandeep Kumar, MohitGupta, Prashant Kumarand Brajendra K. Singh*
Bio-organic Laboratory, Department of Chemistry, University of Delhi, Delhi, India-11007
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Amanpreet Kaur Kalra, Dr.Shital Panchal*
Department Of Pharmacology, Institute Of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, 382481
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Patel Parmi, Shah Jigna*
Department of Pharmacology, Institute of Pharmacy, Nirma University, Ahmedabad
- P-198** **Determination of protein structure using Circular Dichroism**
Harmeet Singh Khanuja*, Dr. Nrupesh Patel
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, Ahmedabad-382481, Gujarat, India
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Suparna Karmakar guided by Dr.Niyati S. Acharya
Department of Pharmaceutical Analysis, Institute of Pharmacy,Nirma University Ahmedabad
- P-200** **Phytochemicals with Neuroprotective Properties**
Nagja Tripathi
Institute of Pharmacy, Nirma University S.G. Highway, Ahmedabad, Gujarat.
- P-201** **A Recent update on WNT signalling modulators**
Vishalgiri Goswami, Bhumika D. Patel*
Department of Pharmaceutical chemistry, Institute of Pharmacy, Nirma University, Ahmedabad-382481
- P-202** **FORMULATION AND EVALUATION OF NANOCARRIERS BASED CYCLOSPORINE GEL FOR DERMATITIS**
Wairkar Sarika*, Singh Abhinav
ShobhabenPratapbhai Patel School of Pharmacy & Technology Management, SVKMs NMIMS, V.L.Mehta Road, Vile Parle (W), Mumbai.Maharashtra - 400056, India.



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Rimjhim, Althaf Shaik, Sivapriya Kirubakaran*
**Department of Chemistry, Indian Institute of Technology Gandhinagar, Palaj Village, Gandhinagar, 382355 India*
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Institute Of Pharmacy, Nirma University, Ahmedabad
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Department of Pharmacology, Institute of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, Ahmedabad-382481, Gujarat, India
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**Discipline of Chemistry and Biological Engineering Indian Institute of Technology Gandhinagar*
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Jadav Aarti .s.
INSTITUTE OF PHARMACY NIRMA UNIVERSITY
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¹Bhavi Patel, ²Bhavya Salvi, ³Vivekanand Mishra, ⁴Ritesh Yadav
^{1*4} *Department of Physics Dr A.P.J. Abdul Kalam University, Indore (M.P).*
³ *Department of Physics, C. U. Shah Uni. Wadhavan, Surendranagar.*
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Indumathi Sathisaran^a, Dhiraj Devidas Bhatia^a and Sameer Vishvanath Dalvi^{b,*}
^a *Biological Engineering, Indian Institute of Technology Gandhinagar, Palaj-382355, Gujarat, INDIA.*
^b *Chemical Engineering, Indian Institute of Technology Gandhinagar, Palaj-382355, Gujarat, INDIA.*
- P-210** **Marketing Authorization Requirements for African Countries and Comparison with USA Market**
Patel Nrupesh*, Patel Anjali
Department of Pharmaceuticals Analysis, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, Ahmedabad-382481, Gujarat
- P-211** **New age antimicrobial peptides: Revealing mode of actions of multifunctional AMPs using molecular dynamics study**
Nirali Desai, Dr. Stephen Fox, Dr. Chandra Verma
Nirma University, Ahemdabad, India



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Tripti Halder, Niyati Acharya
Institute of pharmacy, Nirma University, Ahmedabad
- P-213** **FORMULATION DEVELOPMENT OF SUBLINGUAL TABLET FOR MIGRAINE TREATMENT**
Patel Priya, Parikh Dhaivat*
Department of Pharmaceutics, Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat, India
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Jagruti Kolhe, Dr Snehal S. Patel*
Department of Pharmacology, Institute of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, 382481
- P-215** **Development of nanostructured lipid carriers of Resveratrol for nose to brain targeting**
Amarjitsing Rajput and Shital Butani*
Department of Pharmaceutics, Institute of Pharmacy, Nirma University Sarkhej-Gandhinagar Highway, Gota, Ahmedabad, Gujarat 382481
- P-216** **Multi-target Binding Profile of Tetrahydrocannabinol: Conformational Variations Analysis**
Prateek Pandya¹ and Neelima Gupta²
¹*Amity Institute of Forensic Sciences, Amity University, Noida*
²*Department of Chemistry, University of Rajasthan, Jaipur*
- P-217** **Evaluation of Some New Heterocyclic Compounds as Potent Antibacterial Agents against Human Pathogens**
Bhagwati Gauni, Anamik Shah and Srinivas Murty Duggirala
Department of Biogas Research and Microbiology, Faculty of Science and Applied Sciences, Gujarat Vidyapith, Sadra- 382320, Dist.; Gandhinagar, Gujarat, India
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Jayesh Dhalani¹, Khushal Kapadiya¹, Anil Patel², Mayank Pandya¹, Gaurang Dubal¹, Pankaj Nariya^{2,*}
¹*School of Science, Department of Chemistry, RK University, Rajkot (Gujarat- India)*
²*Shree Manibhai & Smt. Navalben Virani Science College, Saurashtra University, Rajkot (Gujarat- India).*
- P-219** **E-Pharmacies in India**
Author: Khushboo Patel Senior author: Dr. Niyatiacharya
From: M.Pharm Regulatory Affairs, Institute of Pharmacy, Nirma University.
- P-220** **Anti-HIV treatment: Recent Updates**
Jignasa Savjani, Anuhya Penmetsa
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, S. G. Highway, Ahmedabad-382481



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Jay Vediya, Shital Butani
Institute of Pharmacy, Nirma University
- P-222** **Nanosilver as a new generation nanoparticle and its applications in wound healing.**
Jay patel(19mph116)
Institute of pharmacy, Nirma university, Ahmedabad
- P-223** **Insights into Therapeutic Perspectives of Prion's Disease**
Rajesh Bhati*, Jigna S. Shah
Department of Pharmacology, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, 382481
- P-224** **Formulation and Characterization of Meloxicam Loaded Nanostructured Lipid Carriers (NLCs) for Treatment of Arthritis**
Vinchhi Preksha, Patel Mayur*
Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat
- P-225** **ROSTRAL MIGRATORY PATHWAY**
Srijan Santoshkumar Mishra, Dr. Jigna Shah*
Department of Pharmacology, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, 382481
- P-226** **RECENT THERAPEUTIC TARGETS IN ALZHEIMER'S DISEASE:**
Pragnesh K. Parmar
Department of Pharmacology, Institute of Pharmacy, Nirma University, Sarkhej- Gandhinagar Highway, 382481
- P-227** **Pharmacophore Modeling, Virtual Screening, Docking and *In Silico* Toxicity Prediction Studies of Human Dihydroorotate Dehydrogenase (hDHODH) Inhibitors**
Vivek K. Vyas*, Tanvi Shukla
Department of Pharmaceutical Chemistry, Institute of Pharmacy, Nirma University, Ahmedabad 382481, Gujarat, India
- P-228** **ANTIOXIDANTS, FLAVOUR ENHANCERS AND STABILIZERS USED IN THE FOOD PRODUCTS**
Aditi Kumari Pandor, Nagja Tripathi*
Department of Pharmaceutical Analysis, Institute of Pharmacy, Nirma University, Sarkhej-Gandhinagar Highway, 382481
- P-229** **A Study of Neurological Activity from Tabernaemontana Divaricata Plant**
Bhalodi Krishna, Charmy S Kothari
Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat



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- P-230** **Design, synthesis and antimicrobial activity of novel 1,3,4-oxadiazoles incorporating pyrazole scaffolds**
Dharpalsinh J Jadeja, Kandarp A Bhatt & N C Desai*
**Division of Medicinal Chemistry, Department of Chemistry (UGC NON-SAP & DST-FIST Sponsored Department), Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364 002, Gujarat, India*
- P-231** **Association of Vitamin D deficiency and mood disorders: A Systematic Review**
Sakshi Gurbani
Department of Pharmacology, Institute of Pharmacy, Nirma University, Sarkhej Gandhinagar Highway, Gujarat
- P-232** **Synthesis and characterization of some 1, 3, 4-oxadiazole-furan hybrids as antitubercular and antibacterial agents**
Jahnviben D Monapara, Kandarp A Bhatt & N C Desai*
**Division of Medicinal Chemistry, Department of Chemistry (UGC NON-SAP & DST-FIST Sponsored Department), Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364002, India*
- P-233** **Extraction of active ingredients from aerial parts of solanum xanthocarpum (Sol.xan)**
Dipalee A Munjani, Jignasu P. Mehta* and Dinesh R Godhani
*Department of Chemistry, Maharaja Krishnakumarsinhji Bhavnagar University-Bhavnagar-364002*Corresponding Author:*
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Miss Aratiba M. Jethawa, Hardik C. Somani, Nisheeth C. Desai*
**Division of Medicinal Chemistry, Department of Chemistry (UGC NON-SAP & DST-FIST Sponsored Department), Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364002, India*
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Atul Garkal, Dr. Tejal Mehta*
Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat
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Ashvinkumar G Khasiya, Kandarp A Bhatt & N C Desai*
**Division of Medicinal Chemistry, Department of Chemistry (UGC NON-SAP & DST-FIST Sponsored Department), Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364 002, Gujarat, India*



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- P-237** **Synthesis and antimicrobial activity of quinazoline clubbed 4-thiazolidinone hybrid heterocycles**
Harsh K Mehta, Amit M Dodiya & N C Desai*
**Division of Medicinal Chemistry, Department of Chemistry (UGC NON-SAP & DST-FIST Sponsored Department), Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364 002, Gujarat, India*
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Keyur N Shah, Hardik C Somani & N C Desai
**Division of Medicinal Chemistry, Department of Chemistry, Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364 002, Gujarat, India*
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Umang Mehta, Anand Jogel, Dinesh. R. Godhani*
Department of Chemistry (UGC NON-SAP & DST-FIST sponsored), Mahatma Gandhi Campus, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar-364002, Gujarat, India
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Rakhee Choudhary, Satpal Singh Badsara*
MFOS Laboratory, Department of Chemistry (Centre of Advanced Study), University of Rajasthan, JLN Marg, Jaipur, Rajasthan, India-302004
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Kamlesh Kumar Dabaria^{1,2}, Lokesh Baloat²
¹Seth. R. L. Saharia Government PG College, Kaladera, Rajasthan
²Department of Chemistry, University of Rajasthan-Jaipur
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Pooja Chaudhary, Geeta Devi Yadav, Surendra Singh*
Dept. of Chemistry, University of Delhi, Delhi-110007
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Dhan Raj Meena, Surendra Singh*
Dept. of Chemistry, University of Delhi, Delhi-110007
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Mamta Ranka
Department of Chemistry, University of Rajasthan, Jaipur



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Riya Sailani
Department of Chemistry, University of Rajasthan, Jaipur-302004, INDIA
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Asha Gurjar*
Department of Chemistry, University of Rajasthan, JLN Marg, Jaipur 302004
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Manisha Choyal and Neelima Gupta*
Department of Chemistry, University of Rajasthan, Jaipur – 302004 (India)
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Khushali Parekh, Dr. Tejal A. Mehta*
Institute of Pharmacy, Nirma University, Sarkhej Gandhinagar Highway, Ahmedabad – 382481
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Amit Chivate, Atul Garkal, Dr. Tejal Mehta*
Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat
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Namdev Dhas¹, Tejal Mehta^{1*}
¹Institute of Pharmacy, Nirma University, Ahmedabad, Gujarat-382481
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Divyesh Patel¹, Shital Butani¹, Akshay Vaid², Anand Visani³, Ramakrishna Rane⁴
¹Institute of Pharmacy, Nirma University, Ahmedabad, ²Institute for Plasma Research Gandhinagar