Mr. Piyush Gondaliya is selected as renowned speaker at 15th WNC, Tokyo, Japan.

Mr. Bharatkumar Chaudhary has published Research article in Organic letters (ACS). (I.F. 6.49 2)

Ms. Deepaneeta Sarmah receives the Paul Dudley White International Scholar Award.

Mr. Vignesh Kotian has published Review article in ACS Chemical Neuroscience (I.F. 4.211)
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INTERACTIVE SCIFINDER TRAINING SESSION

On 3rd April 2019, NIPER-Ahmedabad conducted an “Interactive SciFinder Training Session” for the students with objective to sensitize and train them for the prior art literature search for a scientific proposals. SciFinder (Chemical Abstracts Service, American Chemical Society, USA) is the latest addition to the cutting edge research support facility of NIPER-Ahmedabad. Notably, SciFinder is a convenient and reliable source for literature review, patents, invention to aid cutting edge novel research. It has now became a core research tool for chemistry, biochemistry, chemical engineering, materials science, nanotechnology, and other science and engineering disciplines. The SciFinder is easy-to-use and enables the research process to be more creative and productive.
NIPER Ahmedabad, under the stimulating leadership of Prof. Kiran Kalia, aspires to be an internationally recognized premier centre of excellence in teaching, research, and entrepreneurial training. The interdisciplinary courses and cultural diversity at NIPER Ahmedabad spark the spirit of innovative research and all-round development of its students. NIPER Ahmedabad has served as a good launching platform to revamp the pharma education and research, to initiate the new era of pharmaceutical and biomedical sciences.

National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development, Govt. of India, has released All India Rankings 2019 on 08 April, 2019 by, Hon’ble President of India (Shri. Ram Nath Kovind), at Vigyan Bhavan, New Delhi in which NIPER – Ahmedabad has been Ranked #1st in prestigious section of Teaching Learning and Resources (TLR) and All India Ranking of 9th among all all Institutions in Pharma Educational and Research institute in India. as per National Institutional Ranking Framework (NIRF)-2019 released by Ministry for Human Resource Development, Government of India.
NIPER-Ahmedabad has evolved as one of the premier institutes from Gujarat that has grabbed top position among the leading pharmacy Institutes in the country. Under the leadership of Director Prof. Kiran Kalia with a strong faculty team, NIPER-Ahmedabad has made its position in the country in a very short period of time. The TLR ranking of NIPER-Ahmedabad was on the basis of the ratio of a number of faculty members in the institute, their outstanding qualification, and intake of students in all its existing programs. The ranking was based on the number of educational, refresher and orientation courses and activities that NIPER-Ahmedabad has organized. It has also been credited outstanding for its participation in e-content creation programmes, interactions, and collaboration with industries and facilitation of outside faculty in quality improvement. These initiatives of NIPER- Ahmedabad has added enormously to the skilled development initiative of Government of India.
NIRF-2019 MEDIA COVERAGE

Monthly Newsletter  April-2019
FIRST BOG MEETING HELD AT NIPER-A

On 16th April 2019, First BOG meeting held at NIPER-A chaired by Shri Ketan Patel, Chairman BOG and attended by other esteemed BOG members. And release of NIPER-A Annual Report 2018-19 by Shri Ketan Patel, Chairman BOG and other esteemed BOG members.
WEBINAR ON “FUTURE OF TECHNICAL EDUCATION IN INDIA"

On 22nd April 2019, NIPER - A Faculty and students attended the webinar on “Future of Technical Education in India" by Prof. Anil D. Sahasrabudhe, Chairman, AICTE as a part India First Leadership Talk Series by MIC

CONFERENCE PROCEEDINGS

Pallab Bhattacharya, Deepaneeta Sarmah, Harpreet Kaur, Kanchan Vats, Jackson Saraf, Kiran Kalia, Dileep Yavagal. (2019). Intra-arterial mesenchymal stem cell therapy modulates inflammasome to confer neuroprotection in animal model of ischemic stroke (P2.3-026), Neurology. 92(15), Supplement P2.3-026. (I.F. 7.609)
PUBLICATIONS


**Abstract:**

The rhodium(III)-catalyzed direct C–H addition and annulation of benzimidates and aldimines with β-(trifluoromethyl)-α,β-unsaturated ketones is described. This protocol provides the facile and efficient formation of various trifluoromethyl-containing indenamines or aminooindanes in moderate to high yields.


**Abstract:**

Calreticulin (CALR), a lectin-like ER chaperone, was initially known only for its house-keeping function, but today it is recognized for many versatile roles in different compartments of a cell. Apart from canonical roles in protein folding and calcium homeostasis it performs a variety of non-canonical roles, majorly in CNS development. In past, studies have linked Calreticulin with...
various other biological components which are detrimental in deciding the fate of neurons. Many neurological disorders that differ in their aetiology are commonly associated with aberrant levels of Calreticulin, that lead to modulation of apoptosis and phagocytosis, impact on transcriptional pathways, impairment in proteostasis and calcium imbalances. Such multi-faceted properties of Calreticulin are the reason why it has been implicated in vital roles of nervous system in the recent years. Hence, understanding its role in the physiology of neuron would help to unearth its involvement in the spectrum of neurological disorders. This review aims towards exploring the interplay of Calreticulin in neurological disorders which would aid in targeting Calreticulin for developing novel neurotherapeutics.


Abstract :- Cobalt-zinc ferrite nanoparticles having composition Co1-xZnxFe2O4 were processed by sol-gel method with particle sizes ranging from 10.8 nm to 3.6 nm. The crystal structure, particle size, and magnetic properties were investigated by XRD, FTIR, TEM, and VSM techniques. Single domain nature was established from the coercivity versus particle size curve. The dependence of specific saturation magnetization with zinc concentration was discussed in terms of site occupancy of cations and supported by FTIR measurements. A few single domain nanoparticle compositions exhibiting low Curie temperatures and reasonably good magnetization were subjected to induction heating measurement to explore the possibility of using the materials for magnetic hyperthermia.

Abstract: Garcinol, the principal phytoconstituent of plants belonging to the genus Garcinia, is known for its anti-oxidant as well as anti-inflammatory properties, which can be extended to its possible neuroprotective role. Recent reports disseminate the capacity of garcinol to influence neuronal growth and survival, alter the neurochemical status in brain, as well as regulate memory and cognition. The concomitant neuro-rescue property of garcinol may render it as an effective compound in Parkinson's disease (PD) therapeutics since it is capable of ameliorating the related pathophysiological changes. Emerging pieces of evidence linking histone acetylation defects to the progression of neurodegenerative diseases provide an effective basis for targeting PD. Hyperacetylation of histones has been reported in Parkinsonian brain, which demands the use of pharmacological inhibitors of histone acetyltransferases (HAT). Garcinol serves as a potent natural HAT inhibitor and has unveiled promising results in molecular interaction studies against Monoamine oxidase B (MAO-B) and Catechol-O-Methyltransferase (COMT), as well as in L-DOPA induced dyskinesia. This review highlights the prospective implications of garcinol as a novel anti-Parkinsonian agent, and establishes a bridge between histone acetylation defects and the pathological aspects of PD.
Abstract: Abolition of cancer warrants effective treatment modalities directed towards specific pathways dysregulated in tumor proliferation and survival. The antiapoptotic Bcl-2 proteins are significantly altered in several tumor types which position them as striking targets for therapeutic intervention. Here we designed, computationally evaluated, synthesized, and biologically tested structurally optimized thiazole-based small molecules as anticancer agents.

AWARDS

- **IBRO World Congress Travel Grant award** :- Dr. Pallab Bhattacharya, NIPER-A is one among 5 Indians and 91 international scientists to receive International Brain Research Organization (IBRO) international travel grant for his presentation at the 10th IBRO World Congress taking place in Daegu, South Korea from 21-25 September, 2019

- **Selected as renowned speaker** :- PhD student of NIPER-A, Piyush Gondaliya is selected as renowned speaker at 15th World Nephrology Conference May 20-21, 2019 Tokyo, Japan. Theme: “Recent advancements of research and treatment in the field of nephrology”

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Paul Dudley White International Scholar Award:

Ms. Deepaneeta Sarmah from Department of Pharmacology and Toxicology receives the Paul Dudley White International Scholar Award. This is a prestigious award by American Heart Association(AHA), USA for the highest ranked abstract submitted from India. This award recognizes the highest ranked AHA abstract from each country around the world.

The American Heart Association

Presents this

Paul Dudley White
International Scholar Award

To Recognize the Authors with the Highest Ranked Abstract from India at the Vascular Discovery: From Genes to Medicine Scientific Sessions 2019

Deepaneeta Sarmah, Harpreet Kaur, Kanchan Vats, Kiran Kalia, Dileep R. Yavagal, Pallab Bhattacharya
CAMPUS PLACEMENTS AT NIPER AHMEDABAD

Congratulations to our student for getting campus placement in

CADILA PHARMACEUTICALS LIMITED

KIRAN KATRAJKAR

Congratulations to our student for getting campus placement in

PHYTO LIFE SCIENCES P. LTD.

ASHWINI ARMARKAR