



About GIPS...

Girijananda Chowdhury Institute of Pharmaceutical Science (GIPS) was established in the year 2007 as the first non-government pharmacy institute in the state of Assam under the aegis of Shrimanta Shankar Academy (SSA), a registered service organization set up in the year 1992 to make significant contribution for social upliftment through education and also to inculcate among the youth a sense of discipline. The motto of the society is 'truth', 'Discipline' and 'excellence' and ever since its aim has been to establish a morally sound education system which not only produce competent professionals but also excellent human beings contributing towards the welfare of the society. The Institution is affiliated to Gauhati University and Assam Science and Technology University, Assam, approved by All India Council of Technical Education (AICTE), New Delhi and recognised by Pharmacy Council of India (PCI), New Delhi. In keeping with its objective of providing the best possible pharmaceutical education, the college has built up a strong infrastructure. This comprises of highly knowledgeable faculty, most of them either hold or are registered for doctorates. Continuous interaction with industry is maintained to ensure that the learning program remains relevant to the changing trends in pharmaceuticals. The college is constantly seeking to upgrade the quality of its education and actively participates in research to remain on the cutting edge.

The President Voice....



Mr Ratul Das, President, Shrimanta Shankar Academy

I am highly delighted to know that the news letter "GIPS-LET" (Vol.6, Issue-2) is on the verge of publication. I hope this publication will be able to provide recent news regarding the progress being made by this institution in the field of pharmacy for last couple of years. I convey my best wishes to the editor and his team for their endearing endeavour to bring out this volume on time.

The Principal Words...



Prof (Dr.) Gouranga Das, Principal GIPS

Girijananda Chowdhury Institute of Pharmaceutical Science is an excellent Pharmacy Institute in the North-East zone of India. Our one and only endeavour is to attain the quality education and to produce skilled and competent professionals. The undergraduate course (B.Pharm) is provisionally accredited by National Board of Accreditation (NBA) for 2016-17 to 2018-19 academic years and the Institute is placed in NIRF Rank Band 51-75, 2018 among the Pharmacy institutes in India by MHRD, Govt. of India. Apart from advanced teaching and learning programme, this Institute conducts seminars, symposium and workshops on different relevant topics, training, free health care camp, gender sensitization programme, blood donation camp, etc. throughout the session. Achievement of Inter College Cricket tournament championship winner trophy and taking part of faculties in Northeast First International Half Marathon, 2018 make the institute famous one. The placement cell ensures the hundred percent placements of final year students in different Pharma-Industries and other sectors and serves the Nation.

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- Activity/events at GIPS
- Achievements

The editor speaks....



It gives me immense pleasure that Girijananda Chowdhury Institute of Pharmaceutical Science (GIPS) is going to publish the 6th volume, issue-2 of news letter, GIPS-Let. GIPS is well known for inculcating the multifarious qualities in students for their round development. This edition of GIPS-Let highlights the news regarding recent development in research field in pharmaceutical sector, different activity/events at GIPS, students achievements, some research paper publications. The editorial board is grateful to the president, SSA, for encouraging us to bring out this issue. We are also thankful to the principal, GIPS for inspiring and guiding us throughout the publication.

Dr. Jun Moni Kalita
Chief Editor, (Gips Let)

Editorial Board members



Dr Abdul Baquee Ahmed



Dr Bhanu Pratap Sahu



Dr Bipul Nath



Dr Dipankar Saha



Dr Jashabin Chakraborty



Dr Trishna Das



Mr Dibyendu Shil



Mr Jiban Debnath



Current Pharma News

Antibiotic resistance: Old Irish 'soil cure' tackles major superbugs

Antibiotic resistance is "one of the most urgent threats" to public health. Bacterial infections that once succumbed easily to treatment with antibiotics have become highly resistant. In some cases, infections with a superbug can lead to severe disability and death. Scientists at Swansea University Medical School in the United Kingdom drew this conclusion after studying samples of Irish soil with a long healing tradition. They found that the soil contained a previously unknown strain of *Streptomyces* bacteria that has remarkable medicinal properties. Tests revealed that the strain was able to stop the growth of MRSA and three other superbugs that can spread in hospitals.

The journal *Frontiers in Microbiology* has published a study paper on the findings. “This new strain of bacteria,” says co-author Paul Dyson, who is a professor of medicine at the university, “is effective against four of the top six pathogens that are resistant to antibiotics- a. Vancomycin-resistant *E. faecium* (VRE) b. Methicillin-resistant *S. aureus* (MRSA) c. *Klebsiella pneumoniae* d. Carbapenem-resistant *A. baumannii*. Scientists named the new species *Streptomyces* sp. *myrophorea*.”

Source: www.medicalnewstoday.com
Collected by
Mr. Jiban Debnath
Asst. Prof, GIPS

New patented drugs exempted from price control order for 5 years

The government has exempted new drugs patented under the Indian Patent Act from the price control order for five years from the date of their marketing, according to a notification. The Drugs (Prices Control) Amendment Order, 2019, by the Ministry of Chemicals and Fertilisers exempts “a manufacturer producing a new drug patented under the Indian Patent Act, 1970 (39 of 1970), for a period of five years from the date of commencement of its commercial marketing by the manufacturer in the country,” the notification said. The provisions of Drug Price Control Orders (DPCO) 2013 shall not apply to “drugs for treating orphan diseases as decided by the Ministry of Health and Family Welfare”, it said.

Source: www.thehindubusinessline.com
Collected by
Dr. Damiki Laloo
Asst. Prof, GIPS

Having an egg daily lowers risk of type 2 diabetes: Study

Eggs remain one of the most controversial food items. High intake of eggs has traditionally been discouraged, mainly due to their high cholesterol content. However, a new study shows eating an egg daily can have a beneficial effect on the blood metabolite profile that is related to a lower risk of Type-2 diabetes. The findings showed that the blood samples of men who ate more eggs included certain lipid molecules that positively correlated with the blood profile of men who remained free of Type-2 diabetes. “The study explored potential compounds that could explain this association using non-targeted metabolomics, a technique that enables a broad profiling of chemicals in a sample,” said lead author Stefania Noerman from the University of Eastern Finland. For the study, published in *Molecular Nutrition and Food Research*, 239 serum samples were analysed in four groups: men with higher (mean intake one egg per day) or lower (mean intake two eggs per week) egg intake who developed Type-2 diabetes (cases) or remained healthy (controls) during the mean follow-up of nearly 20 years.

The study suggested some plausible mechanisms which could at least partly explain the inverse association between egg intake and the previously observed lower risk of developing Type-2 diabetes. In addition, the researchers identified several biochemical compounds in blood that predicted a higher risk of developing Type-2 diabetes, including the amino acid tyrosine.

Source: www.sciencedaily.com
Collected by
Dr. Jun Moni Kalita
Asst. Prof, GIPS

Activity/Events at GIPS

Graduation ceremony celebration



Graduation ceremony for the year 2018 was celebrated on 14th November 2018. Dr. Dhiraj Bora, Honourable Vice Chancellor of Assam Science and Technology University was the Chief guest.

World Pharmacists Day celebration on 25th September 2018



World Pharmacist'day was celebrated on 25th September 2018. Dr Dhiraj Bora, Honourable Vice Chancellor of Assam Science and Technology University was the Chief guest.

National Pharmacy Week celebration



National Pharmacy Week celebrated on 2 Mr. Asutosh Konwar, Product Manager, FDC Ltd. Mumbai had delivered an expert lecture on the topic entitled "Current Prospect of product management team in pharmaceutical industry" on 12.11.2018. 6th November 2018.

Blood Donation Camp



A blood donation camp was organised on the occasion of National Pharmacy week on 26th November 2018.

Spots Week



The institute organized annual sports week from 27th -30th November 2018, where students participated in different indoor and outdoor events.

Expert Lecture



Mr. Asutosh Konwar, Product Manager, FDC Ltd. Mumbai had delivered an expert lecture on the topic entitled "Current Prospect of product management team in pharmaceutical industry" on 12.11.2018.



Dr. Sayantan Maitra, Assistant Professor, Institute of Pharmacy, Jalpaiguri, West Bengal delivered an expert lecture on "Guidance for Preparation in GPAT"



Dr. Amalesh Samanta, Professor, Division of Microbiology and Biotechnology, Jadavpur University, Kolkata, West Bengal delivered an expert lecture on "Guidance for Preparation in GPAT"

WORKSHOP



A one day workshop on “Handling and Application of Instruments Used for the Evaluation of Pre and Post Compression Parameters of Tablet” was conducted on 22nd Dec 2018 in GIPS seminar hall and Mr. Dilip Gupta, AGM of Pure and Cure Pharmaceuticals Pvt. Ltd. was invited as speaker.



Achievement of GIPS

Institute Achievement

IPA Guwahati local branch (GIPS) has received the outstanding local branch award among all the IPA branches of India for the year 2018.



Faculty Achievements

Mr Biswajit Dash, Assistant Professor, Department of Pharmaceutical Chemistry, GIPS has been awarded the degree of Doctorate of Philosophy (Ph.D.) by the Gauhati University on October 2018 for his thesis entitled “Molecular Design, synthesis and screening of some novel quinazoline derivatives for different pharmacological activities”. He did his research work under the supervision of Prof.(Dr.) Suvakanta Dash, Principal RIPSAT, Agartala, Tripura.



Mr. Sumit Das, Assistant Professor, Department of Pharmaceutical Chemistry, GIPS has been awarded the degree of Doctorate of Philosophy (Ph.D.) by the Gauhati University on December 2018 for his thesis entitled “Chemical Evaluation and Structural Elucidation of some Bioactive Secondary Metabolites from Nelumbo nucifera and Flacourtia jangomas.” He did his research work on the topic entitled, under the supervision of Prof.(Dr.) Suvakanta Dash, Principal RIPSAT, Agartala, Tripura.



Mr. Dibyendu Shil, Assistant Professor, Department of Pharmaceutical Chemistry, GIPS has been awarded the degree of Doctorate of Philosophy (Ph.D.) by the Gauhati University on December 2018 for his thesis entitled “Discovery of Potential Cardiovascular and Immunostimulating ethnotherapeutics from some Medicinal Plants” He did his research work under the supervision of Prof.(Dr.) Suvakanta Dash, Principal RIPSAT, Agartala, Tripura.



Dr. Bhanu Pratap Sahu, Assistant Professor of GIPS got selected to work as an PDF for one year at institute of Drug Research, Hebrew University, Jerusalem, Israel.

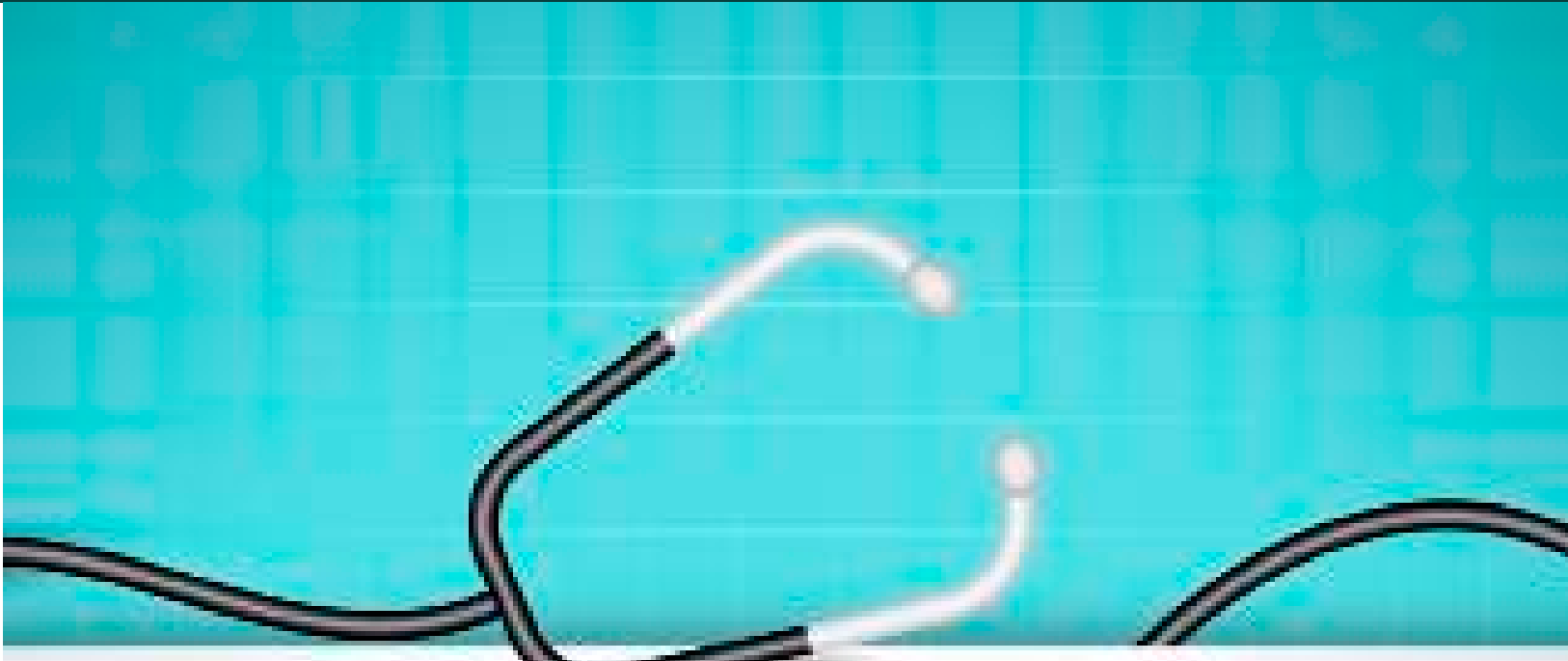
GIPS Paper Publication

Papers published

- Devi Violina, Bhupen Kalita (2018). Simultaneous UV Spectrophotometric Estimation and Validation of Rutin and resveratrol in combined dosage form by Iso absorptive point method. *Asian Journal of Pharmaceutical Analysis* 8 (3), 147-152.
- Deewan N, Ahmed AB, Dasgupta D. Review on colon targeted drug delivery for inflammatory bowel disease, *Pharma Innov. J.*, 2018, 7(1), 98-103.
- Das S, Dash S, Dasgupta D, Shil D, Laloo D. Evaluation of Immunomodulatory activity of DCM extract of *Nelumbo nucifera* on mice. *Res. J.Pharm. Bio. Chem. Sci.*, 2018, 9(1), 265-274.
- Shil D, Dash S, Dasgupta D, Laloo D. Isolation and Characterization of flavonoid from methanolic extract of *Mirabilis jalapa* Linn tuber and evaluation of its cardiotoxic property. *Asian J Chem*, 2018, 30(7), 1579-1584

Poster/oral presentations

- Dr. Bhupen Kalita, Asst. Prof. GIPS has presented his research paper on 'Enhanced cardioprotective activity of phytosomal nanocarriers of green tea polyphenol' at Pharamanotech 2018-National Seminar on emerging Global Trends in Pharmaceutical Nanotechnology, held at Dibrugarh University, Dibrugarh, Assam.
- Dr. Bhupen Kalita Asst. Prof. GIPS has presented his research paper on 'Preparation and evaluation of herbosomes cream for the treatment of blackfly bite'. At NCRST-2018, organised by Assam Science and Technology University, Guwahati, Assam.
- Miss Junmoni Nath M Pharm student GIPS presented her review paper on 'Utilization of natural polymers in nano drug delivery with special emphasis on starch: a review' at National conference on translational drug discovery: Current Trends and Future interventions (TDDCTFI)-2018 organized by Assam Down Town University, Guwahati, Assam.
- Miss Afsana Mahzabin, M Pharm student GIPS presented her research paper on 'Comparative quality control study on different generic brands of riboflavin tablet' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Mr. Sourin Sarma, B Pharm student GIPS presented his research paper on 'Antioxidant and antimicrobial properties of *Tabernaemontana divaricata* plant' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Mr. Kamallochan Barman, B Pharm student GIPS presented his review paper on 'A review on novel approaches of heterocyclic compounds' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Miss Sikhmoni Dutta, B Pharm student GIPS presented her research paper on 'Conjugation of acyclovir to poly ethylene glycol through amino acid and dipeptide spacers and in vitro drug release evaluation' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Miss Taslima Akhter Rohman, B Pharm student GIPS presented her research paper on 'Formulation and evaluation of herbal cosmetic cream' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Miss Natasha Manners, B Pharm student GIPS presented her research paper on 'Non-viral vectors based on cationic niosomes as efficient gene delivery vehicles to the brain' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Mr. Liman Das, B Pharm student GIPS presented his review paper on 'Neural stem cell differentiation into mature neurons: a review' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Mr. Raj Kumar Singh, B Pharm student GIPS presented his research paper on 'Antioxidant activity of the successive extracts obtained from the aerial parts of *Potentilla fulgens* Wall' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Mr. Damanbhalang Rynjah, B Pharm student GIPS presented his research paper on 'Pharmacognostical and phytochemical standardization of the aerial parts of *Potentilla fulgens* Wall' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Dr. Damiki Laloo, Asst. Prof. GIPS presented his research paper on 'Impact of quality control standardization parameters on the aerial parts of *Potentilla fulgens* Wall' at National conference on ethno-medicine and traditional health practices in Northeast region of India organized by NIPER-Guwahati, Assam.
- Miss Gargi Das, B Pharm student GIPS presented her research paper on 'In-Silico Screening and Evaluation of In-vitro Antimalarial Activity of Some Synthesized Phenylthiazolyl clubbed s-Triazine Derivatives Against *Plasmodium falciparum*' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Miss Sangita Kalita, B Pharm student GIPS presented her research work on 'Formulation and evaluation of poly herbal anti ulcer floating tablet' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Mr. Nurul Amin, M Pharm student GIPS presented his research work on 'Formulation and characterization of multiple emulsion of paracetamol' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.
- Mr. Tanmay Sarma, B Pharm student GIPS presented his review paper on 'Cellular leaperogging: A recent developed cell based therapy for neural disorder' at 70th Indian Pharmaceutical Congress (IPC) 2018, hosted by Amity University, New Delhi.



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