



INTEGRAL UNIVERSITY



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Newsletter

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Editorial



Terminus is the Roman god of boundaries whose temple is fixed and is, therefore, static, which implies that boundaries are always fixed and defined. Knowledge is, however, without boundaries, and even if it has one, it is ever extending and expanding. In tune with this essentialist notion of knowledge, the hon'ble Vice Chancellor of Integral University, Professor Syed Waseem Akhtar, like Tennyson's Ulysses figuring in the poem of the same name, always follows knowledge beyond the shimmering horizons:

*And this grey spirit yearning in desire
To follow knowledge like a sinking star
Beyond the utmost bound of human thought.
(Tennyson's "Ulysses" 29-32)*

Goaded on and spurred by his futuristic vision, the hon'ble Vice Chancellor from time to time makes spirited forays into the unknown territories of knowledge to seize upon the best jewels of that territory. The newly created Faculty of Humanities and Social Sciences, and the establishment of three new Departments- Department of Languages, Department of Social Sciences and Department of Humanities- under this faculty is a glowing and lyrical evidence of his vision and planning. Research is the forte, nay, the soul, of any university. Integral University lays constant focus on quality research, thereby encouraging research-based enterprises in the field of higher technical education and all this is monitored from the top. It will not be an exaggeration to say that the hon'ble Vice Chancellor is truly an EDUPRENEUR par excellence. It may here be mentioned in passing that the University Grants Commission (New Delhi) recently accorded the 12-B Status to Integral University to further enhance the quality of education and research activities in the University.

Of much greater import and significance is the fact that Integral University, under the guidance of the Director, Research & Planning, Er. Syed Nadeem Akhtar, is going to launch offshore campuses of Integral University in the near future. It is also proposed to establish the campuses of Integral University in other states of India, too. Innovative practices and novel ideas in different fields of technical education also percolate to the students in general and the faculty in particular. Academic Staff College, Integral University, under the seasoned expertise and expert guidance of Prof. A. A. Zilli, organized a series of lectures, workshops and presentations. So is the case with the different departments of the University which organize seminars, conferences, symposia and workshops to annex emerging domains of knowledge and latest research. When one talks of research at Integral University, one has to per force acknowledge the untiring efforts and the contributions of the Pro-Vice-Chancellor, Prof. T. Usmani, the Chairman of Research Development Committee, who always lays emphasis on quality research. Another point to note is the implementation of Choice-Based Credit System (CBCS) that allows students the freedom to learn at their own pace and in their fields of interest which is going to be effective from the forthcoming academic session 2015-16. Since the publication of the last Newsletter (November 10, 2014), much has happened at Integral University, which are showcased in the present issue of the University Newsletter.

-Professor S. Z. H. Abidi

The Academic Engagements of The Hon'ble Vice Chancellor, Prof. S.W. Akhtar



- U.P. Rabita Committee organized a Seminar on August 10, 2014 at U.P. Press Club, Lucknow on the Topic "Muslim's Educational Backwardness : Reasons and Possible Solutions". The Hon'ble Vice Chancellor attended the function as Guest of Honour. Mr. Naseem Ahmad, Ex-Vice Chancellor, AMU, and Chairman, All-India Minority Commission, presided over the function.
- He was the Chief Guest on the occasion of the Book Release function at NIPCCD, Auditorium, Gudamba, Lucknow on 8th Jan, 2015 . The books released were written by Dr. K. C. George on Women.
- He attended the Governing Council meeting (331st Meeting) on 27 February, 2015 at AIU, New Delhi.
- Prof. S. W. Akhtar attended the 17th Agricultural Scientists and Farmers' Congress at Auditorium of Bioved Krishi Prodyogiki Gram, Moharab, Sringeripur , Allahabad on 21 February, 2015 as Guest of Honour and was awarded "Bioved Ratan Award" . The Topic was "Agri -Innovation for Enhancing Production & Rural Employment. "
- He attended the Inaugural Ceremony of Maulana Azad Institute of Humanities, Science & Technology at Mahmudabad ,Sitapur as Honoured Guest on 25 February, 2015. The Hon'ble Chief Minister ,UP, Sri Akhilesh Yadav, was the Chief Guest .
- Prof. S. W. Akhtar presided over "National Science Day" on 28 February, 2015 at Integral University, Lucknow. The Chief Guest of the occasion was Prof. Munna Singh, Vice Chancellor, Chandra Shekhar Azad University of Agriculture & Technology, Kanpur.
- Prof. S.W. Akhtar, the Hon'ble Vice Chancellor, Integral University , Lucknow inaugurated National Conference on "Novel Tools and Treatment Approaches in Health Care System" organized by Faculty of Pharmacy , Integral University, Lucknow.
- Prof. Akhtar was the Chief Patron of the National Conference on "Nano-sciences, Nanotoxicology and Nano-informatics -Present and Future Perspectives" on 14 -15, March 2015, organized by the Departments of Bio-Engineering and Bio- Sciences, Integral University, Lucknow in collaboration with Department of Nano-bio-technology, Life Science Foundation of India, Karnataka.

Integral University Welcomes...

Mr. Syed Nadeem Akhtar



Mr. Syed Nadeem Akhtar joined Integral University as the Director, Planning and Research. He has been tasked with the responsibilities of raising the standards of research conducted in the University by adopting various new-age means and measures, and of providing a vision of structured planning for the day-to-day activities in the University. Mr. Akhtar is an alumnus of IIT Kanpur, and completed his B. Tech. and M. Tech. in 2007. Thereafter, he served Hindustan Unilever Limited, primarily as the Engineering Manager in a soaps' manufacturing facility. During his tenure in the company, he was responsible for the maintenance, safety, health and environment in the facility and handled and executed projects worth several crores of rupees. He is fully experienced in handling civil, electrical and mechanical projects, and particularly takes a keen interest in automation. He is currently pursuing his doctoral research in the Department of Mechanical Engineering at IIT Kanpur, and specializes in laser micromachining. In Integral University, Mr. Akhtar is aggressively pursuing his agenda of making this University paper-free to the extent possible and practicable. It is under his active and dynamic guidance that

the University is planning to hold online entrance examinations for admission to various courses, for the first time. He has also been a member of the academic and executive councils of the University, and from time to time advised the University authorities on various issues in the past. He is, at the moment, working towards enhancing and enriching the academic curriculum of the University by incorporating the requirements of the industry, thereby insisting on greater faculty-industry interaction and interface.

Dr. Aqil Ahmad



Dr. Aqil Ahmad joined Integral University on July 01, 2014 as Professor of Eminence and Senior Academic Consultant. Since then he has been Dean, Students' Welfare and Director, Directorate of Distance Education. But as of today he is the Controller of Examinations, Integral University. Prior to joining Integral University, Dr. Ahmad was Professor of Statistics and Dean, Faculty of Science, Lucknow University, Lucknow. During his later years at LU he was the Controller of Examinations. Prof. Ahmad was an student of Lucknow University, and subsequently taught Statistics there, having forty years of teaching and research experience. He is a well-known academic figure in the field of Statistics and quality control, and has been a member of Boards of Studies, Boards of Governors and Boards of Advisors in leading Indian Universities. He also acted as UGC Observer at Gauhati University and Vishwa Bharati University, Shanti Niketan. Dr Ahmad has to his credit numerous published research papers, books and successful supervision of numerous Ph.D. theses. He has also been a member of Executive Council, Integral University and that of Lucknow University.

UGC accords 12-B Status to Integral University

The University Grants Commission (UGC), New Delhi, granted the 12-B status to Integral University, Lucknow. The report of the Inspection Committee along with the compliance report submitted by Integral University was placed before the Committee of UGC members for consideration. Recommendations of the Committee along with the report of the UGC Inspection Committee were placed before the Commission in its 506th Meeting {Item No. 1.02(a)(ii)} held on 03rd February 2015.

Prof. S.W. Akhtar, Vice Chancellor, Integral University, stated that the 12-B recognition by the UGC will further enhance the quality of education and research activities in the University. He reiterated the commitment of the University to providing quality education, research and placement to the students at large. He also congratulated the staff for their hard work and focused approach towards achieving excellence.

Integral Vice-Chancellor Nominated as Member of The Association of Indian Universities

The Vice Chancellor of Integral University, Prof. S. W. Akhtar, will now be representing on the Governing Council of Association of Indian Universities (AIU) from the North Zone on the basis of his seniority. He will represent the North Zone for a period of two years w. e.f.21.01.2015. This has been communicated by Prof. Furqan Qamar, Secretary General, AIU, in letter no. Meet/GC/331/2014/ dated 10 Feb 2015.

Prof. S. W. Akhtar accepted the nomination and has agreed to serve the AIU and promote the cause of education in India.

The Inter-University Board (IUB) of India was formed on March 23, 1925, with a view to promoting university activities, especially by way of sharing information and co-operation in the field of education, culture, sports and allied areas. The Inter-University Board acquired a legal status with its registration in 1967 as a Society under the Societies Registration Act, 1860. In 1973, it assumed its present name, the Association of Indian Universities (AIU). The membership includes Traditional Universities, Open Universities, Professional Universities, Institutes of National Importance and Deemed-to-be universities. In addition, there is also a provision for granting Associate Membership to the universities of the neighbouring countries.

It is also a matter of great jubilation to note that UGC has recently granted 12-B Status to Integral University. Dr. I.A. Khan, the Registrar of Integral University, informed that the recent recognition accorded to Integral University is indicative of its important role in the education sector in particular and the society in general.



Mr. Nadeem Akhtar, Director, Research & Planning, Integral University addressing the National Workshop on "Data Analysis by SPSS"

Sixth Convocation of Integral University 2014



Prof. S.W. Akhtar, honourable Vice Chancellor, addressing the audience during the convocation

Integral university held its sixth convocation on November 11, 2014. The occasion was celebrated with solemn splendour and gaiety, where the Chancellor, Integral University, Dr. S. R. Azmi Nadvi was present along with Hon'ble Governor, Shri Ram Naik, Lt. General Zameeruddin Shah (Retd.), Vice Chancellor, Aligarh Muslim University, Prof. Naresh Chandra Gautam, Vice Chancellor, Mahatma Gandhi Grameen Udyog University, Chitrakoot, and Prof. S. W. Akhtar, Vice Chancellor, Integral University. Members of the Court, the Executive Council, the Academic Council and the important guests were part of the Academic Procession. The Convocation began with the recitation of the University Anthem.

During the convocation, the Degrees in various disciplines were conferred upon 2026 students by the Chancellor of Integral University, Dr. S. R. Azmi. 38 Ph.D.s were awarded and 33 and 34 students were felicitated with gold and silver medals respectively. The winners of gold and silver medals were beaming with bliss and basking in the glory of their academic achievements. The hon'ble Vice Chancellor, Integral University, Prof. S. W. Akhtar, presented the Annual Report for the Session 2013-14. He detailed the University's efforts in raising the standard and quality of education. He asked the students to learn good virtues not only from elders but also from their juniors. He administered the oath to every student for serving the nation and promoting brotherhood.

On the occasion, Lt. General Zameeruddin Shah (Retd.), Vice Chancellor, Aligarh Muslim University, was honoured with the D.Litt. Degree (Honoris Causa). In his address, he emphasized the need to use technology for improving the quality of teaching. He said that there is a scope for cooperation between Integral University and Aligarh Muslim University. He congratulated the University Administration and Management for bringing the University to such glorious heights in a very short period, and also appreciated the untiring efforts of Prof. S. W. Akhtar, University teachers, and other members of the Integral family. Mr. Ram Naik, Governor, Uttar Pradesh, delivered his presidential address in which he emphasized the need to remain happy and ever smiling. He encouraged the students to always strive for improvement in life and never downgrade others. He told the young students to always appreciate the efforts of others so as to promote excellence.

In order to reach out to the Integral alumni working all over the world, the Convocation ceremony was webcast live on the internet. The ceremony concluded on a festive note with the swelling pride of past achievements and a quivering hope for the future. All in all, it was a mighty showcasing of Integral University and its emerging parameters of excellence.

Ph.D. Degree Recipients- 2014

Sl.N.	Degree Sl. No.	Enrollment No. Name of Supervisor	Name of Scholar	Department/ Faculty	Specialization Title of the Thesis
1	084	09034 Faria Fatima	Dr. Smita Rastogy	Biosciences/ Applied Science	Biotechnology Biodiversity of phosphate solubilizers at Biochemical and Molecular level
2	085	09004 Bhupendra Nath Pathak	Dr. Mobin Ahmad	Mathematics/ Applied Science	-- Study of some structures in a differentiable manifold and geometry of certain bundles
3	086	09005 Hari Om Kushwaha	Dr. Smita Rastogi	Biosciences/ Applied Science	Biotechnology Molecular cloning and in silico studies of DOF (DNA binding with One Finger) transcription factor Genes and domain of different cereals and millets
4	087	09006 Janardan Prasad Ojha	Dr. Mobin Ahmad	Mathematics/ Applied Science	-- A Study of certain structures and Connections Induced on CR-Submanifolds
5	088	09051 Naimur Rahman Kidwai	Dr. Ikram Khan	Electronics & Communication Engineering/ Engineering	-- Efficient image coding for wireless sensor network
6	089	07005 Mohd. Yusuf Yasin	Dr. Hasan Saeed	Electronics & Communication Engineering/ Engineering	-- Power minimization in electronic circuit building blocks in deep submicron
7	090	09008 Md. Sarfaraj Hussain	Dr. Sheeba Fareed	Pharmacy/ Pharmacy	Pharmacognosy Phytochemical and pharmacological investigation on some Indian medicinal plants
8	091	10040 Qazi Inamur Rahman	Dr. Minaxi Lohani	Chemistry/ Applied Science	-- Synthesis, characterization of undoped and doped metal oxides for non-biodegradable dyes under light illumination

9	092	10083 Naseema Khatoon	Dr. Masihur Rahman	Chemistry/ Applied Science	-- Assessment of chromium in the river Ganga in Kanpur district and its removal by nano zero valent iron
10	093	08044 Pragati Shakya	Dr. A. K. Shakya	Pharmacy/ Pharmacy	Pharmacognosy Development and evaluation of mucoadhesive biodisk for soft palate delivery of antidiabetic drugs
11	094	09019 Khan Uzma Aftab	Dr. Iffat Zareen Ahmad	Bioengineering/ Engineering	Biotechnology Role of blue green algae as a biofertilizer for rice crops under stress condition in Uttar Pradesh region
12	095	10063 Vinay Kumar Tripathi	Dr. Mohtashim Lohani	Biosciences/ Applied Science	Biochemistry Expression and inducibility of xenobiotic metabolizing cytochrome P450s in cultured human brain cells
13	096	10035 Naseem Ahmad	Dr. Masihur Rahman	Chemistry/ Applied Science	-- Identification and analysis of leachates of finished plastic and polymeric products
14	097	07020 Deepmala Singh	Dr. Iffat Zareen Ahmad	Biosciences/ Applied Science	Biotechnology Morphological , physiological and serological characterization of collectotrichum falcatum isolates causing red rot disease of sugarcane crop in Uttar Pradesh
15	098	09016 Juber Akhtar	Dr. Sheeba Fareed	Pharmacy/ Pharmacy	Pharmaceutics Novel oral nanoemulsion based drug delivery system of antidiabetic drugs
16	099	08008 Asif Jamil Ansari	Dr. M. A. Mallick	Electrical Engineering/ Engineering	-- Techno-economic analysis of distributed generation through renewable technologies in India
17	100	09001 Ashish Patel	Dr. Qamar Rahman	Biosciences/ Applied Science	Bioinformatics Risk based prioritization of asthma burden using artificial neuro fuzzy inference system

18	101	09043 Shish Ahmad	Dr. Mohd. Rizwan Beg	Computer Science & Engineering/ Engineering	-- Energy Efficient Public Key Framework in Ad-hoc Sensor Network
19	102	09037 Syed Mohd. Danish Rizvi	Dr. Mohd. Zeeshan	Biosciences/ Applied Science	Biotechnology Studies on selected wild plants of family asteraceae for their in vitro pharmacological activities and detection of major active compounds
20	103	09047 Akanksha Nigam	Dr. Priti Bajpai	Biosciences/ Applied Science	Biotechnology Toxicogenomics of Chromate Carcinogenesis and Modulation by Antioxidants
21	104	09048 Shivam Priya	Dr. Priti Bajpai	Biosciences/ Applied Science	Biotechnology Regulatory significance of redox reaction in Chemical Carcinogenesis
22	105	09030 Qazi Mohd. Sajid Jamal	Dr. Mohtashim Lohani	Biosciences/ Applied Science	Bioinformatics Elucidation of Mechanism of Carcinogenesis by environmental carcinogens and their Prevention by Nanoparticles: an In silico study
23	106	09003 Badruddeen	Dr. Sheeba Fareed	Pharmacy/ Pharmacy	Pharmacology Psychoimmunomodulatory effect of Gaozaban(Onosma bracteatum), Miswak(Salvadora persica) and Tabasheer(Bambusa arundinacea) on stress model in Sprague Dawley rats
24	107	10007 Anis ur Rehman	Dr. Aftab Alam	Business Management/ Management and Research	-- A Detailed study of environmental constraints faced by PPP and road to a framework for successful implementation of PPP projects in India with Special reference to Uttar Pradesh
25	108	09021 Poonam Kushwaha	Dr. Sheeba Fareed	Pharmacy/ Pharmacy	Pharmaceutics Preparation and evaluation of ph dependent and microbially controlled colon targeted drug delivery
26	109	10066 Vivek Kumar	Dr. A. K. Srivastava	Biosciences/ Applied Science	Biotechnology Studies on Signaling Pathways involved in Resveratrol induced neuronal differentiation in PC12 cells

FIESTA 2014



Students celebrating after winning the trophy

Under the patronage and steady encouragement of the Hon'ble Vice-Chancellor, Prof. S. W. Akhtar, who has over the years earned the mighty reputation of being a connoisseur of Arts and Literature and a legendary talent hunter, Fiesta is a regular annual feature of Integral University, which celebrates the ebullient youth-talent, creativity, self-expression and technical expertise and finesse.

Fiesta, the annual social/literary/cultural/ and technical gathering of Integral University, Lucknow was organized on the 12th and 13th Nov. 2014 with great enthusiasm and fervor. It began with the inaugural ceremony wherein Lt. General Zameer Uddin Shah, Vice-Chancellor, Aligarh Muslim University, was invited as the Chief Guest. He inaugurated the Fiesta and delivered a very inspiring, stirring and educative address. He praised the efforts of Prof. S. W. Akhtar, Vice-Chancellor, Integral University, in organizing such a grand event.

Mrs. Azra Waseem, the Guest of Honour, boosted the morale of the students through her spirited words. She appreciated the participation of girls in these events and motivated them to give a tough competition to the boys. She encouraged the students to work harder and march ahead in the race of life with sincerity, integrity and diligence.

The Business Management Department of Integral University organized 'Fun Fair', an exhibition that had around 45 different stalls like Food, Career Counselling, Automobile, Fashion and Jewellery. Students enthusiastically participated in different events organized by the Artistic, Technical, Cultural and Literary Societies. A cultural Play,

'Chacha Chakkan Ke Karname', was presented by a Delhi-based cultural organization, which was well appreciated. Activities such as Solo Singing, Skit, Debate in English, Urdu and Hindi Mushaira and Bait-bazi were conducted on the stage for entertaining one and all whereas activities such as Robo display, Electronic Circuit Design, Lan Gaming, Robo Gesture, Creativity in Advertising, Ink Art, Model display, Poetry Reading, Essay Writing and Slogan Writing were conducted off



Winners of different events along with Prof. S.W. Akhtar & the Chief Guest Shri Naveen Chandra Bajpayee, Deputy Chairman, State Planning Commission, Uttar Pradesh

the stage in different departments of the University. All the winners of the events were awarded with prizes and certificates by Shri Naveen Chandra Bajpayee, Deputy Chairman of UP State Planning Commission during the Valedictory function.



A Group of participants for Artistic event with Prof. S.W. Akhtar & Shri Naveen Chandra Vajpayee

27	110	10039 Prashant Khare	Dr. Priti Bajpai	Biosciences/ Applied Science	Biotechnology Cloning, Over Expression and Purification of TH1 stimulatory poly-proteins identified through proteomics for their prophylactic potential against experimental visceral leishmaniasis
28	111	09012 Mohd. Kalim Ahmad Khan	Dr. M. Jamal Arif	Biosciences/ Applied Science	Bioinformatics In silico validation of Mechanism of Human Breast cancer Induced by Specific Breast Carcinogens
29	112	08022 Ravi Prakash Verma	Dr. Mohd. Rizwan Beg	Computer Science & Engineering/ Engineering	-- Generation of Test Cases from Software Requirement
30	113	10074 Asma Farooque	Dr. Aftab Alam	Business Management/ Management and Research	-- A study of ethical issues in advertising in India its impact on youth - The need of a regulatory framework
31	114	09018 Ghazala Yunus	Dr. Seema Srivastava	Physics/ Applied Science	-- Conformational Transitions in Drug-DNA complexes and vibrational dynamics of Polypeptide
32	115	10028 Mohd. Hassan Baig	Dr. Saif Khan	Biosciences/ Applied Sciences	Bioinformatics Screening of Inhibitors for Class A b-Lactamase (CABL) resistant mutants and mutation-induced alterations in physico-chemical properties of CABL: An in silico approach
33	116	09028 Mohd. Saeed	Dr. Huma Mustafa	Biosciences/ Applied Science	Microbiology Studies on Molecular Immunological and Biochemical Characterization of Human and Animal Filarial parasite
34	117	10027 Mohd. Farhan Khan	Dr. Minaxi B. Lohani	Chemistry/ Applied Science	-- To study the effect of input parameter on synthesis of ZnO nanoparticles and their characterization

35	118	10008 Balamnawar Vishalsinh Mohansinh	Prof. Anil K. Saxena	Pharmacy/ Faculty of Pharmacy	Pharmaceutical Chemistry Design and synthesis of BMP -receptor agonists as anti -osteoporotic and anti cancer agents and synthesis of some bioactive molecules
36	119	11031 Ratan Kumar Rai	Dr. V. S. Chandel	Physics/ Applied Science	-- Methodological development in NMR studies for biomedical applications
37	120	08033 Tanveer Tahir	Dr. Qamar Abbas	Computer Application/ Computer Application	-- An Integrated Secure Framework for Electronic Commerce Transactions: Risk Assessment and Prevention
38	121	06022 Vipin Bihari	Dr. S. M. Iqbal	Environmental Science/ Applied Science	-- Environmental exposure to biomass fuels associated health hazards among rural women and preventive measures



Prof. S. W. Akhtar receiving a memento from Prof. A. S. Vidyarthi, Director, IET, Lucknow

Rector of Zeitounia University, Tunisia Visited Integral University



Prof. S.W. Akhtar, delivering the Welcome-Address in Arabic

Dr. Abdul Jalil Saleem, Rector of Zeitounia University of Tunisia, visited Integral University on November 27, 2014 and delivered a lecture on "Sheikh Thaalbi and his Role in Introducing India to Arab-Africa". Sheikh Thaalbi was the founder, reformer and leader of Destour Party, Tunisia. He tried to persuade the Peace Conference for Tunisian Independence and played a vital role in introducing Indian Revolutionary Movements to the Arab world. The session was chaired by Prof. S. W. Akhtar, the hon'ble Vice-Chancellor, Integral University, Lucknow. Prof. I. A. Khan, Registrar, Prof. T. Usmani, Pro-Vice Chancellor, Prof. S.M. Iqbal, CAC, Prof. A. A. Zilli, Dean, Engineering, Prof. S. Z. H. Abidi, Dean, Faculty of Humanities and Social Sciences, and the faculty from the different departments of the University were present during the lecture. Mr. H. M. Arif, Faculty in English/Languages, interpreted Dr. Abdul Jalil Saleem's lecture which was delivered in Arabic.



Prof. S.W. Akhtar, receiving a token of gift from Dr. A.J. Saleem, Rector, Zeitounia University.

Integral Institute of Medical Sciences and Research is Marching Ahead

Scientific advances in the field of electronics and computer sciences have revolutionized the practice of medicine. Many of the diagnostic and medical interventions are based on advanced digital technology. Paradoxically the students of medical sciences are taught mostly through traditional pedagogy, dissection of human body, demonstrations of models, live experimentation on lower mammals or amphibians, bed side clinical demonstration etc. in Europe and America as also in some select institutions of India digital and computer technology is being introduced in the teaching and training of medical students. IIMS&R, though in its infancy, has taken strides to be in the forefront. It has translated the modern concept of imparting training professional students through an active learning process supported by mentors under the tutelage of a senior faculty. In this process two methods are important, self - directed and computer - assisted learning. To support these learning practices, IIMS&R has established a digital laboratory equipped with 60 computers and processors interactive board, projection microscope with LAN and internet connectivity. It is being used for the teaching of histology, histopathology, simulated animal experimentation for learning physiological functions and drug actions. The goal is to use the digital laboratory as a virtual classroom of learning. This is the beginning of a new chapter in the medical education in IIMS&R. It is also proposed we are contemplating to set a skill laboratory to provide students an opportunity to learn on hands on dummy or computer-assisted models before they practice on patients.



The students of M.B.B.S. in the Lab.



Prof. S.W. Akhtar, Dr. Mazhar Husain, his wife Nuzhat Husain visiting the O.T. of IIMS&R



Hon'ble V.C., Prof. S.W. Akhtar, interacting with the faculty of the University



International Students' Day

Integral University observed "International Students' Day" on 17th November 2014 with the Hon'ble V.C., Prof. S.W. Akhtar as chief patron. On the occasion, Prof. T. Usmani, Pro-Vice Chancellor, Prof. I. A. Khan, Registrar, and Prof. Aqil Ahmad, DSW, were present. Prof. Usmani threw light on the relevance of the day and shared some of its unknown facts with the students. A session of Debate on "Shikshhit Bharat, Saksham Bharat" was organized in which the students of different departments took part in a large number. They expressed their views on the education system and gave inputs to make the system more student-oriented. Sami Irani, MBA (first year), Amber Seth, B.Tech (final year), Mohd. Aquib, BBA (final year), Saud, MBBS and many others actively participated in the Debate.

Young Scientist Project Awarded to Dr. Saheem Ahmad



Dr. Saheem Ahmad, Assistant Professor, Department of Bio-Sciences, has been awarded "Young Scientist Project" from Science & Engineering Research Board (SERB), Ministry of Science and Technology (MST), Government of India (GoI). The project which is titled "Immunochemical Studies on Glycated Human Serum Albumin and Low Density Lipoprotein by Reactive Dicarbonyls: Possible Role as Diagnostic and Prognostic Markers in Diabetes and Associated Diseases: A Step Ahead to Inhibit the Glycation Menace" will have Dr. Saheem as the principal investigator. This project will wrap up the broad area of diabetes-associated diseases like nephropathy and atherosclerosis. There is a plethora of anti-glycation compounds which were established to be effective against DNA and/or protein glycation but the toxicity concerns of certain antiglycation compounds are still at hash. This is the first, foremost and unusual hypothesis of Dr. Ahmad who will report about the therapeutic approaches of diabetes mellitus in terms of glycation study using nano-conjugation approach. Dr. Ahmad is an active young researcher who has also recently received a highly prestigious first International Indo-Russian project from DBT, MST, GoI.

Integral University Faculty Honoured with "Academic Game Changer Award"

Mr. Anuj Srivastava, Assistant Professor at Integral University, Lucknow was awarded "Academic Game Changer Award" for his contribution in the field of academics in EMC Academic Alliance Summit 2015 held at Hotel Le-Meridien, Chennai on 19th February. He was the only one from the entire north zone to have received the prestigious award in the summit. The award was conferred on him by the Chief Guest of EMC Academic Alliance Summit 2015, Mr. Laxmi Narayanan, Vice-Chairperson, Cognizant Technology Solutions. On the occasion Mr. Alok Shrivastava, Sr. Director (Education Services), EMC Corporation, was the Guest of Honour and Mr. Wendy Johnson, Director of IEC Program (EMC Education Services) was also present to grace the occasion.

The EMC Academic Alliance Summit 2015 was followed by the award night in which 35 awards were distributed in 7 different categories where teachers, academicians and institutes were recognized by awards for their excellent work and performance over the last years. To select the winners, the nominations were called for from all their academic associates, 650 plus colleges/universities and 10000 plus teachers, working in this program. A panel comprising top Managers and Experts then selected several teachers and colleges as winners.

Under EMC Academic Alliance Program, started in 2006, EMC signed MoUs with colleges/universities worldwide. In India alone they have 650 plus academic associates. In order to evaluate and analyze the progress and success of the programme, they annually organize EMC Academic Summit with academic and corporate giants.



Er. Anuj Srivastava receiving the award

Placement Week at Integral University in December 2014

Integral University witnessed a successful placement week in mid December 2014. The week-long event was effectively organized by Center for Career Guidance & Development (CCG&D), the Training and Placement Dept. of Integral University under the supervision of its Director, Cdr. RP Singh. Successful completion of the Placement Week marked the end of phase I placement season. About 560 students of B. Tech., Management & MCA participated in the Placement Week. The average package offered was Rs 2.20 LPA whereas the highest package went up to Rs. 4.42 LPA. The procedure for placement was an online examination followed by group discussion and interview.



Students at the Registration Desk

Major recruiters present in the campus during this Week were Nestle India Ltd., Data borough, Anupam Electricals & Engg. Industries Pvt. Ltd., Mumbai, Alpha Photo Soft, Bangaluru. In total, 14 companies visited the University during the 6-day long Placement process. Along with the campus drives, IU also organized 3 SSB Guidance Sessions for the shortlisted candidates in Indian Army, Indian Navy and Indian Air-force by Major Ashutosh Pandey. A guest lecture on "Opportunities for Higher Studies Abroad" was also delivered by Dr. Shreya Batra, New Delhi. Students showed great enthusiasm and excitement for the placement as they had been working very hard for it and it was the time for them to show their capabilities.

On the occasion, Cdr. RP Singh said, "We organize such recruitment programs with the purpose of providing a head start in students' career in the areas of Management and Engineering. Vibrant placement for the current batch of



The recruiting team along with the interviewees

students once again proves that Integral University is among the most favored talent-hunting grounds for the corporate world. This is due to the rigorous training of students both by the CCG&D and the faculty. It developed which helps develop strong foundation for core academic competencies in students along with high quality IT skills.

Prof. S.W. Akhtar, Vice-Chancellor, Integral University appreciated the efforts of the Placement Cell and thanked the students for their whole-hearted participation. He also thanked the faculty for working hard and providing quality education to students. He stated that Integral University is an emerging University and is marching ahead towards excellence.

Workshop on Women's Power Line

The Women's Grievance Cell in association with Proctorial Board and CCG&D of Integral University conducted a workshop on 1090 Women's Power Line on 12th March 2015. On the occasion, Kunwar Raghvendra Pratap Singh, State Incharge of 1090 Power Line was the Chief Guest. He interacted with the students to make them aware about this power line and emphasized on the initiative taken by the Chief Minister, Mr. Akhilesh Yadav, for ensuring safety and security of women in Uttar Pradesh. He shared his experiences of handling 1090 Power line with the audience and discussed many cases, especially those in which the victims did not file any official complaint. He motivated the girl students and asked them to stand up and raise their voice if they face any kind of harassment because they are the ones who could stop it.



Kunwar Raghvendra Pratap Singh, State Incharge 1090 Power Line, interacting with the audience



Mr. Syed Nadeem Akhtar, Director, Planning and Research, giving memento to Kunwar Raghvendra Pratap Singh

Mr. Surya Pratap Singh, the invited speaker from T.I.M.E., gave a lecture on career motivation, especially for female students. Another invited speaker on the occasion was Ms. Poonam Singh, former Indian Karate team- member who represented India at national and international levels. She taught some basic self-defense exercises to the students, which could prove helpful to them if per chance they faced any emergency.



Surya Pratap Singh from T.I.M.E. addressing the audience



Mr. Syed Nadeem Akhtar, Director, Planning and Research, giving University memento to the speaker, Mr. Surya Pratap Singh

The Chairperson of Women's Grievance Cell, Integral University, Prof. (Dr.) Iffat Zareen Ahmad said that the response of students for this initiative of 1090 Power Line by State Government was overwhelming. The students were very much interested in getting connected to this Power line in order to save someone in trouble, and around 100 students from Integral University have so far registered themselves for Power Angels. Prof. Hasan Saeed, Proctor, Integral University, told the students about the significance and role of 1090 Power Line for the safety and security of female students on the campus. Mr. Syed Nadeem Akhtar, Director, Planning and Research, Integral University, also laid emphasis on the importance of 1090 Power line. He declared the workshop to be very effective for the female employees and girl students of the University. Mr. N. Akhtar presented University mementoes to all the guests and speakers of the Workshop. Commander R. P. Singh, Director, CCG&D, Integral University, encouraged and motivated the students to select the career of their choice and excel in that. Dr. Naseema Khatoun, Secretary of Women's Grievances Cell, proposed the vote of thanks to all the delegates and participants.



Ms. Poonam Singh, Former Indian Karate Team-Member, demonstrating self-defense exercise



Mr. Syed Nadeem Akhtar, Director, Planning and Research, addressing the audience

Poetry Reading Jury Award

The University Literary Club, Aligarh Muslim University, Aligarh organized its Literary Festival from 20th to 22nd March 2015. Syed Zeeshan Ahmad, a student of Mechanical Engg., 3rd year, and member, The Poetry Club, Integral University, participated in the Poetry Reading competition and was awarded "The Poetry Reading Jury Award" by the Jury members who appreciated his poems and advised him to continue his passion for writing poetry. Syed Zeeshan read out his self-composed poems entitled "Zindagi" and "Barkhurdar".



Syed Zeeshan Ahmad reciting his self-composed poems

Guest Lectures Delivered by Integral University Faculty

Prof. S. Z. H. Abidi

Delivered a two-hour lecture on "Feminism and Literature" at the EFL University, Lucknow Campus on 25 February 2015.

Mr. H. M. Arif

Delivered a lecture on "Communication and Soft Skills for Unani Medical Students" at Eram Unani Medical College on 28th February 2015.

National Conference on "Nanosciences, Nanotoxicology and Nanoinformatics-Present and Future Perspectives" Organized by the Departments of Bioengineering and Biosciences

The Departments of Bioengineering and Biosciences, Integral University, in collaboration with the Department of Nanobiotechnology, Life Science Foundation India, Karnataka organized a two day National Conference on "Nanosciences, Nanotoxicology and Nanoinformatics-Present and Future Perspectives" on 14th and 15th March 2015. Nanotechnology, a relatively new field of science, is highly interdisciplinary and has rapidly found applications in varied areas of scientific research endeavors. The aim of the conference was to help keep the participants abreast of the latest developments in Nanosciences, Nanotoxicology and Nanoinformatics by means of Invited Lectures delivered by eminent scientists and exchange of research ideas through Poster presentations.

The conference started on a euphoric note with the inaugural session. The eminent personalities who graced this session were the Hon'ble Vice Chancellor of Integral University and Patron of the Conference, Prof. S.W. Akhtar, the Chief Guest, Padma Shri Dr. Nitya Anand, Former Director, Central Drug Research Institute, Lucknow, Guests of Honour, Prof. (Dr.) M.K.J. Siddiqui, Director and Secretary, Council of Science and Technology, UP, Prof. (Dr.) D. K. Gupta, Vice Chancellor, Jai Prakash University, Bihar, Prof. (Dr.) Rajendra Kumar, Director General, Uttar Pradesh Council for Agricultural Research, Lucknow, Dr. A.S. Vidyarthi, Director, Institute of Engineering and Technology, Lucknow and Prof. (Dr.) Rajeev Dutta, Director, Institute of Bioscience and Technology, Sri Ramswaroop Memorial University. Dr. Mohammad Haris Siddiqui, Head, Department of Bioengineering and Organizing Secretary of the conference extended a warm welcome to the guests and participants in his welcome address. All the Guests of Honour emphasized upon the increasing importance of Nanotechnology in applied research and welcomed the efforts of Integral University in organizing a conference on this significant theme. The Chief Guest, Padma Shri Dr. Nitya Anand, a stalwart in the field of drug research, while expressing his happiness and appreciation for the conference reminisced about the milestones crossed in the path of drug discovery and biotechnology as well as the challenges that still need to be surmounted by the scientists. The Hon'ble Vice Chancellor, Prof. S.W. Akhtar, while welcoming the guests, exhorted the scientists to utilize the latest tools and techniques to demystify nature and work towards continued growth of the country and betterment of human life. The Chief Guest presented the National Excellence Awards conferred by the organizers on three young scientists for their research contributions in different fields of biotechnology. The awardees were Dr. Hari Mohan Saxena from Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Dr. Sharanagouda Hiregoudar, College of Agricultural Engineering, Raichur and Dr. K. Govindaraju, Satyabhama University, Chennai. Prof. (Dr.) Neelam Pathak, Organizing Secretary and Head, Department of Biosciences, proposed the vote of thanks.



Prof. S.W. Akhtar, Prof M.K.J. Siddiqui & other delegates during the workshop

The scientific proceedings of the conference started with the Plenary Session that included lectures by Prof. (Dr.) D. K. Gupta, Vice Chancellor, Jai Prakash University, Bihar and Dr. C. Nath, Former Chief Scientist, Central Drug Research Institute, Lucknow. While Dr. Gupta presented his findings on the role of exosomes in cancer and their potential for therapy, Dr. Nath talked about the issues and challenges in the regulatory studies of nanomedicines.

The invited lectures were categorized under different themes and presented in the five scientific sessions during the two-day conference. The first session on Nanomaterials and its applications included talks by Dr. P.R. Mishra from Central Drug Research Institute, Lucknow and Dr. Deepa Bhagat from ICAR-National Bureau of Agricultural Insect Resources, Bengaluru. The second session entitled "Nanotechnology and Diseases" was addressed by Prof. Owais Mohammed from Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh and Dr. Wahajuddin from Central Drug Research Institute, Lucknow. The proceedings of the second day started with the session on Nanoinformatics with lectures delivered by Prof. N. Subbarao, Jawaharlal Nehru University, New Delhi and Dr. M. I. Siddiqi from Central Drug Research Institute, Lucknow. The fourth session on "Nanotoxicology and Biobusiness Prospects" included invited lectures by Dr. Alok Pandey, Indian Institute of Toxicology Research, Lucknow and Dr. Amitabh Mishra, National Research Development Corporation, Delhi. The fifth session dealing with "IPR issues in Biotechnology" was addressed by Mr. Rahul Taneja, Ministry of Small and Medium Industries, Chandigarh, Dr. Ashish Sharma, IP Owners Association, New Delhi and Advocate Ravindra Chingale, National Law University, New Delhi. The grand finale of the scientific sessions came in the form of the concluding talk delivered by Dr. P.K. Srivastava, Senior Principal Scientist, Central Drug Research Institute, Lucknow who presented an overview of the basic concepts of nanotechnology and its numerous uses in his inimitably unique presentation-style involving scientific cartoons- The Scientistoons.



The curtains came down on the two-day conference with the Valedictory Session. The Chief Guest of this session was Prof. (Dr.) N.C. Gautam, Vice Chancellor, Mahatma Gandhi Chitrakoot Gramodaya University, Satna, M.P. and Dr. K.C. George, Joint Director, National Institute of Public Cooperation and Child Development, New Delhi was the Guest of Honour. Other dignitaries present on this occasion were Prof. (Dr.) T. Usmani, Pro-Vice Chancellor, Integral University, Prof. (Dr.) I.A. Khan, Registrar, Integral University, Prof. S.M. Iqbal, Chief Academic Consultant, Integral University, Prof. A.A. Zilli, Dean, Faculty of Engineering, Prof. (Dr.) A.R. Khan, Dean, Faculty of Sciences, Prof. (Dr.) F.U. Ahmad, Dean, Integral Institute of Medical Science and Research and Prof. Masihur Rehman, Dept. of Chemistry, Integral University. The Chief Guest presented the Best Poster Awards. The first prize went to Dr. Sharanagouda Hiregoudar, College of Agricultural Engineering, Raichur while the second and third prizes were bagged by Ms. Ismat Fatima Rizvi and Mr. Anupam Dhasmana of Integral University.

The conference ended with Dr. Mohammad Haris Siddiqui proposing the Vote of Thanks to the guests, officials and participants of the conference. He also appreciated the efforts of the members of various committees constituted for the smooth conduct of the conference.

Overall, the conference was a confluence of scientists and students with varied research interests who converged upon Integral University from various parts of the country and successfully deliberated on various aspects of nanotechnology.

National Conference on "Novel Tools and Treatment Approaches in Health-Care System"

Faculty of Pharmacy, Integral University organized a National Conference on "Novel Tools and Treatment Approaches in Health-Care System". The aim of the conference was to identify and study the potentials of novel tools which can be applied in health-care system. The conference was inaugurated by Prof. S.W. Akhtar, Hon'ble Vice-Chancellor, Integral University. The highlight of the conference included a lecture delivered by Prof. Shubhini A. Saraf, Professor and Head, Department of Pharmaceutical Sciences, BBAU, Lucknow, on the topic "Core Shell Type Nanoparticles" wherein she explained the advantages of these lipid-polymer hybrid nanoparticles as a robust and promising drug-delivery platform and having several beneficial features for treating various diseases particularly cancer because they have the potential to deliver multiple drugs simultaneously from a single platform. She laid stress on the exploitation of topical drug delivery for the treatment of various skin diseases like psoriasis, leprosy, dermatitis, etc.

Another important lecture was delivered by Dr. Huma Mustafa, Joint Director (Biotechnology), Uttar Pradesh Council of Science and Technology (UPCST), Lucknow. She emphasized the use of Information and Communication Technology (ICT) in the health-care system. The Conference was attended by more than 400 delegates including doctors, pharmacists and various health-care professionals. During the Conference various delegates showcased their work in the form of posters and oral presentations. The conference ended with an inspiring and spirited speech by Dr. Juber Akhtar, Head, Department of Pharmacy, regarding the future prospects of Pharmacy and the introduction of Pharm D. Course in the University from the forthcoming session, July 2015.



The e-souvenir released by the Hon'ble Vice Chancellor, Prof. S.W. Akhtar

- The students of B.Pharm IVth year visited Jagsonpal Pharma (Tablet and Capsule Division Section) on 27th March 2015. Jagsonpal is ranked 68th in the Indian pharmaceutical industry. The industry comprises over 28,000 manufacturing units, putting Jagsonpal in the ivy league of the Indian pharmaceutical companies.



Students of Pharmacy at Jagsonpal Pharma

Animadversions From Academic Staff College

Academic Staff College regularly remains involved in organizing various activities in the university for the benefit of the faculty in different departments. These activities include holding lectures on specialized topics and workshops which consist of lectures along with on-hand practice in specific laboratories. Some of the events organized between August 2014 and February 2015 are as follows:

S.N.	DATE	SUBJECT	EXPERT	CO-SPONSORED
1	26th Aug. 2014	Lecture on "Machine Learning towards Brain Computing Interface(BCI)"	Integral University Faculty	Department of Computer Science &Engineering
2	8th Nov. 2014	Lecture on "Some Implicit Summation Formulas and Symmetric Identities for the Generalized Hermit-Based Polynomials"	Dr. Waseem Ahmad Khan, Assistant Prof. Dept. Of Mathematics, Integral University	Department of Mathematics
3	21st Nov. 2014	Lecture on "Propagation of Electromagnetic Wave in Periodic Media: Theory and Applications"	Dr. K.B.Thapa, Head Dept. of Physics, UIET, Chhatrapati Shahu Ji Maharaj University, Kanpur	Department of Physics
4	13th Jan. 2015	Lecture on "Introduction to Real Time Simulation, HIL & RCP Solution"	Mr. Abhishek Saxena, Engineering-Academic OPART RT Technologies.	Department of Electrical &Electronics Engineering
5	16th Jan. 2015	Lecture on "Paradoxes of Growth-The Indian economy in the Last Decade"	Dr. Amirullah Khan, Director Bill and Melinda Gates Foundation. Seattle USA	Department of Business Management
6	19th Jan. 2015	Lecture on "Developing Young Managers as Entrepreneurs"	Dr. Sushil Kumar, Professor of Entrepreneurship at IIM, Lucknow	Department of Business Management
7	23rd Jan. 2015	Lecture on "Role of Management in Engineering"	Prof. Alpana Srivastava, Amity University, Lucknow	Department of Electronics &Communication
8	24th Jan. 2015	Presentation on "Nanomaterials as Seed Pretreatment Agent for Sustainable Agriculture"	Er. Gaurav Srivastava, Department of Biological Sciences and Bioengineering, IIT, Kanpur.	Department of Bioengineering
9	5th Feb. 2015	Lecture on "Environmental Health-Air Pollution"	Dr. Anup K. Srivastava, (MD) Sr. Pr. Scientist & Head Epidemiology (Retired), IITR, Lucknow.	Department of Environmental Science
10	11th Feb. 2015	Expert lecture on "How to Improve Quality of Research and Attract Research Projects in the University"	Prof. P.K. Abdul Azis, Ex-Vice Chancellor, AMU, Aligarh	Integral University
11	21st Feb. 2015	Lecture on "Propagation of Electromagnetic Wave in Periodic Media Theory and Applications"	Dr. K.B. Thapa HOD, Physics, UIET, CSJMU, Kanpur	Department of Physics
12	24th Feb. 2015	Lecture on "Wonders of Numbers and their Applications to Science and Technology"	Prof. M.A. Pathan, Visiting Scientist, Centre for Mathematical Sciences, DST, Peechi, Kerala	Department of Mathematics

Department of Environmental Science

Full Length Publications:

Prof. (Dr.) M.J.A. Siddiqui & Mr. Riyazuddeen Khan:

- M.J.A.Siddiqui, Riyazuddeen Khan (2014). "Evaluation of Some Plant Origin Chemosterilants to Control Cockroach Populations". International Journal of Education & Applied Sciences Research (IJEASR), Vol. 1, issue. 6, pp. 01-06.

Mr. Riyazuddeen Khan:

- Pravej Alam, Anis Mohammad, M.M. Ahmad, Mather Ali Khan, Mohd. Nadeem, Riyazuddeen Khan, Mohd. Akmal, Seema Ahlawat and M.Z. Abdin, (2014). "Efficient Method for Agrobacterium Mediated Transformation of Artemisia annua L." Journal of Recent Patents on Biotechnology, Vol. 8, pp. 102-107.
- Pravej Alama, Kamaluddin, Mather Ali Khan, Anis Mohammada, Riyazudeen Khan and Malik Zainul Abdin (2014). "Enhanced Artemisinin Accumulation and Metabolic Profiling of Transgenic Artemisia annua L. Plants Over-Expressing by Rate-Limiting Enzymes from Isoprenoid Pathway". Journal of Plant Interactions, Vol. 9, No.1, pp. 655-665.

Department of ECE

Workshop/ Seminar Organized:

- A Robotic workshop named ROBO-ZEST-2015 was organized by Dept. Of ECE on 17th and 18th September 2014.

Guest Lectures in the Department :

- A Guest Lecture was delivered by Mr. Suneel Kr. Srivastav, DGM, HAL, Amethi on the topic "Reliability and Testing of Instruments for Avionics" on 11th October 2014 in the Dept.

STUDENTS' ACHIEVEMENTS

- I. A team (Shrin Bano, Smriti Porwal, Irfanullah, Sahnoor fatma, Shazi Sayeed and Nitin Verma) of ECE Dept., Integral University, secured 1st position in the Workshop on "Solar And Smart Energy Systems" held at BBD University, Lucknow, in association with Skyfi Labs by Roboversity on 27-28 September 2014.
- II. Third year students of ECE Dept., Sushant khare and Shubham Chudhary, presented a paper on "Control Engineering Education" in IEEE conference (ICPCEs-2014) at MNNIT, Allahabad on 26 December 2014.
- III. Third year students of ECE Dept., Shirin Bano, Shahnoor Fatima, Shazi Saeed, Smriti Porwal, Nitin Verma, and Irfan Ullah Khan, participated in Solar and Smart Energy Systems Workshop Roboversity-IUCEE Challenge at BMS College of Engineering, Bangalore, and got the "Second Best Performance Award" with the prize money of Rs. 4000.



3rd year students at IEEE conference (ICPCEs-2014), MNNIT, Allahabad



3rd year students at Solar and Smart Energy Systems Workshop Roboversity-IUCEE Challenge at BMS College of Engineering, Bangalore

Glimpses of Faculty of Management & Research

Guest Lectures Organised:

1. A Guest Lecture was organized on "Paradoxes of Growth - The Indian Economy in the Last Decade" by Faculty of Management & Research and Academic Staff College jointly on 16th Jan. 2015 at Conference Hall, Integral University, Lucknow. The lecture was delivered by Dr. Amirullah Khan, Director, Bill and Melinda Gates Foundations (India). He said, "India is a land of many paradoxes. It is a country of remarkable high technology, world class multinational companies, and a leader in business process off shoring. But it is also a country with many flaws in the form of corruption that causes 80% of its population to living with very low earning rate." The lecture was concluded with paradoxical data with substantial suggestions that overall conventional wisdom can be focal and sufficient when rapid directions be concentrated to reduce poverty and enhance social progress. The program concluded with the vote of thanks delivered by Prof. A.A. Zilli, Director, Academic Staff College, Integral University.



Dr. Amirullah Khan, IAS, delivering the Guest Lecture

2. **Guest Lecture on Entrepreneurship:**
Prof. Sushil Kumar from IIM, Lucknow delivered a Guest Lecture on 19th January 2015 on the topic "Emerging Entrepreneurship" for the budding managers in the Department of Business Management. This lecture was organized jointly with the collaboration of Academic Staff College, Integral University. It was attended by Pro-Vice Chancellor, Prof. T. Usmani, Prof. A. A. Zilli, Director, Academic Staff College, substantial dignitaries and expertise in the area of Entrepreneurial development from the cooperates of Lucknow. Overall session was very interactive and the students eagerly participated and listened to the lecture.



Prof. Sushil Kumar, IIM, Lucknow, delivering the Guest lecture

A Guest Lecture was organized by the Department of Business Management on 1st Nov. 2014 on the topic "LEAN SIX SIGMA". The lecture was delivered by Mohammad Adeel Shamsi of TCS (Tata Consultancy Services), Lucknow.



Mr. Mohammad Adeel Shamsi, Manager, TCS (Tata Consultancy Services) Lucknow delivering the Guest lecture

Industrial Tour Organised:

34th India International Trade Fair - 2014

MBA final year students were taken on an Industrial tour to India International Trade Fair, Pragati Maidan, New Delhi, on 20th & 21st November 2014. They also visited some historical places of Delhi and Agra.



Students gathered at India Gate during the Industrial Tour

Faculty Credentials

Lectures Attended by the Faculty:

- i) Dr. Aftab Alam attended a lecture on "Northern Railways-Challenges & The way ahead" on 17th Dec. 2014 at Scientific Convention Centre, Lucknow, delivered by Mr. Alok Kumar, Chief Commercial Manager Northern Railways, Lucknow.
- ii) Mr. Abdul Tayyab Khan attended a lecture on "CEL-LMA-Govt. Project Catalyzing Community Driven Rural Health Care" on 29th November 2014 at Scientific Convention Centre, Lucknow . The lecture was delivered by Dr. Vishwajeet Kumar, CEO, Community Empowerment Lab(CEL), Lucknow and a faculty from Johns Hopkins University.
- iii) Dr. Gaurav Bisaria attended a lecture on 'Health Talk' on Dec. 13, 2014 at Scientific Convention Centre, Lucknow. The lecture was delivered by Professor Rajendra Prasad, Director, Vallabhbhai Patel Chest Institute, Delhi.

Papers Published & Presented:

Prof. (Dr.) Aftab Alam

A paper titled "Structure of Retail Distribution Channels for Health and Wellness Food Products in India" was published in the proceedings of "4th Emerging Markets Conference: Redefining Value in Emerging Markets" organized by IMT, Dubai. ISBN 978-93-5196-8092 dated 10th January 2015.

Dr. Adeel Maqbool

A paper titled "A Study of Sustainable Elements for Leadership Effectiveness in Business Organizational Performance" was published in ZIRAF International Journal of Marketing, Financial Services & Management Research, Ahmedabad, Vol. 1, Issue 2 pp 150-152, dated 28.12.2014.

Dr. Farhina Sardar Khan

1. A paper titled "Corporate Social Responsibility (CSR): Understanding the Legal Framework & Philanthropic Indian Companies", was published in the proceedings of "International Online Conference on Innovation in Management Studies & Research (IMSR)" on 20th December 2014, GIAP Journals: Unearthing Research, India.
2. A paper titled "Redefining the Role of Bank Branches as Tech-Savvy Branches in Indian Banking Industry", was published in the proceedings of "International Conference on Innovative Advances and Challenges in Management & Commerce" on 18th -19th December 2014, Amity College of Commerce and Finance, Amity University, Noida.
3. Executive Committee Member of GIAP's "First Online International Online Conference on Innovation in Management Studies & Research (IMSR)" in December 2014, India.

Dr. Syed Shahid Mazhar

A paper titled "Impact of Demographic Variables on E-Insurance in Urban Areas in India", was published in International Online Conference on Innovation in Management Studies & Research (IMSR) on 20th December 2014, GIAP Journal:, Unearthing Research, India.

Mr. Abdul Tayyab Khan

1. A paper entitled "E-insurance: The Future of Life Insurance Distribution in India" was Published in Indian Journal of Applied Research Vol. 5 Issue- January 2015 (ISSN--2249-555X)
2. A paper entitled "An attitudinal Study of Buying Behavior of ULIP Investor In India" was published in Steward Business Review Vol. 7, Issue- December 2014 (ISSN--2320-9399)

Ms. Orooj Siddiqui

1. A paper entitled "Economics Meet HRM: A Comprehensive Study on Congruence Existing Between Economy & HRM Practices" was published in Indian Journal Of Applied Research, Vol. 5 Issue- January 2015 (ISSN—2249-555X).
2. A paper entitled "Enhancing Skill & Employability Of Women: A step toward Formal Economy" was published in Steward Business Review, Vol. 7, Issue- December 2014 (ISSN--2320-9399).
3. A paper entitled "Competency Mapping: An HR Practice Enhancing the Employee Productivity and Growth" was published in Indian Journal Of Applied Research, Vol. 4 Issue- November 2014 (ISSN—2249-555X).

Anis ur Rehman

1. Contributed a Book Chapter in the Edited Book Changing Paradigms of Management Dynamics published by I.K. International Publishing House, N, Delhi, ISBN-978-93-82332-97-8, 2015 Pg No- 217. The Book Chapter is titled "Consumer Preferences Towards Motorcycles Purchase Decision: An Empirical Analysis of Rural Lucknow".
2. Research paper titled "An Empirical Study of Indian Insurance industry Post Global Financial Crisis" accepted in GBAM: Vidushi, January 2015 (ISSN – 0974-6374).

Dr. Gaurav Bisaria

A research paper titled "A Study of Management Institutions in Context with Entrepreneurial For the Development of Economy of India with Emphasis on Lucknow" was published in SAMZODHANA – Journal of Management Research, ISSN 2347- 4270 Vol. 3, Issue 1, October 2014.

Ms. Aisha Badruddin

1. A paper titled "Islamic Banking & Finance in India- A Kosher or Myth" was published in International Online Conference on Innovation in Management Studies & Research (IMSR) on 20 December 2014. GIAP Journals: Unearthing Research, India.
2. A paper titled "Islamic Banking & Finance in India- A Kosher or Myth" received the "Best Paper Award" presented at International Online Conference on Innovation in Management Studies & Research (IMSR) on 20 December 2014. GIAP Journals: Unearthing Research, India.z

Students' Achievements

1. Mr. Mohammad Aquib, Mr. Yousuf Siddiqui of BBA 3rd Year and Mr. Altamash Ahmad Khan of BBA 1st Year has represented Integral University among 16 teams of different Universities & colleges in " First National Parliamentary Debate Competition organized by Amity University, Lucknow on 5th February'2015 and was declared Runner up (Second Position)
2. Mr. Mohammad Aquib, a student of BBA 3rd Year participated in Debate in English held on 12-13 November 2014 in FIESTA -2014 and secured III Position
3. Ms. Anam Haseeb, a student of B.Com(Hons.) participated in Treasure Hunt during FIESTA-2014 and secured III position
4. Ms. Anam Haseeb, a student of B.Com(Hons.) participated in Mystery Trail during FIESTA-2014 and secured III position
5. Ms. Anam Haseeb, a student of B.Com(Hons.) participated in Business Quiz organized by Department of Business Management and was adjudged First
6. Ms. Anam Haseeb, a student of B.Com(Hons.) participated in Model Making organized by Department of Business Management and was adjudged First
7. Mr. Mohammad Aquib, a student of BBA 3rd Year participated in English Easy Writing Competition held on 12-13 November 2014 in FIESTA -2014 and secured III Position
8. Mr. Mohammad Aquib, a student of BBA 3rd Year has attended AMITY National Seminar on Digital Marketing: From Brick & Mortar to Click an Order held on September 19, 2014

Faculty of Pharmacy

- Faculty of Pharmacy organized "World Pharmacists' Day" on 25th Sept. 2014. The organizing secretary was Dr.Juber Akhtar and the chief guest of the programme was Prof. Syed Waseem Akhtar, Vice Chancellor, Integral University.
- All the staff members of the faculty of Pharmacy attended a seminar on the topic "The role of Pharmacist in the health care system" on the occasion of World Pharmacists' Day on 25th Sep 2014.
- The students of Pharmacy were given a runner-up cricket trophy in the fiesta 2014 under the direction of Sports co-ordinator, Mr. Kuldeep Singh.
- Faculty of Pharmacy also organized a "Pharmacy Quiz" on the occasion of Fiesta 2014.



Prof. S.W. Akhtar delivering a key-address in the seminar.



Prof. S.W. Akhtar receiving a memento by H.O.D. of the department.

Research Articles/Review Articles

Prof. (Dr.) Hefazat H. Siddiqui, Dr. Juber Akhtar And Dr. Badruddeen

Gurpeet Kaur, Neetu Singh, Sheeba S Samuel, Hefazat H. Siddiqui. "Withania somnifera shows a protective effect in monocrotaline-induced pulmonary hypertension." *Pharm Biol*, Sept. 2014; 19:1-11

Salman Khan, Mohd Haseeb, Mohd Hassan Baig, Paramdeep Singh Bagga, H.H. Siddiqui, M.A. Kamal, Mohd Sajid Khan. "Improved efficiency and stability of secnidazole – An ideal delivery system". *Saudi Journal of Biological Sciences*, January 2015, 22(1),42–49.

Gurpreet Kaur, Neetu Singh, Poorella Lingeswar, Hefazat H. Siddiqui, Kashif Hanif. "Poly (ADP-ribose) polymerase-1: An emerging target in right ventricle dysfunction associated with pulmonary hypertension." *Pulmonary Pharmacology & Therapeutics* 2015; 30: 66-79.

Juber Akhtar, Hefazat Hussain Siddiqui, Badruddeen, Sheeba Fareed and Mohd. Aqil "Nanoemulsion as a Carrier for Efficient Delivery of Metformin." *Current Drug Delivery*, 2014, 11, 243-252 243.

Dr. Anuradha Mishra

A Mishra. "Search For A Herbal Medicine: Anti-Ulcer Activity Of Methanolic Extract Of *Haldina cordifolia*." *Research & Reviews: Journal of Pharmacognosy and Phytochemistry* Sept 2 (4), 2014. 19-23

Anuradha Mishra. "Search for an herbal medicine: Antibacterial activity of methanolic extract of *Haldina cordifolia*." *International Journal of Natural Products Research* Oct 4(4). 2014.

Dr. Mehnaz Kamal

Talha Jawaid, Akanksha Awasthi, Mehnaz Kamal. "Estrogenic Activity of a Hydro-Alcoholic Extract of *Bambusa arundinaceae* Leaves on Female Wistar Rats." *Journal of Advanced Pharmaceutical Technology and Research* 2015; jan-march 6(1):1-6.

Talha Jawaid, Ashok K. Shakya, H. H. Siddiqui, Mehnaz Kamal. "Mechanistic Evaluation of *Cucurbita maxima* Extract against Scopolamine-Induced Amnesia in Rats: Implication of Tumour Necrosis Factor Alpha. Z." *Naturforsch.* 2014; 69c:407-417.

Talha Jawaid, Sadiya Khatoon, Mehnaz Kamal. "Antihyperlipidemic effect of the aqueous extract from *Cinnamomum tamala* leaf in hyperlipidemic rats." *Journal of Pharmacy Research* 2014; 8(8):1098-1104.

Kuldeep Singh, Arun Kumar, Mehnaz Kamal, Satya Prakash Singh

Kuldeep Singh, Arun Kumar, Mehnaz Kamal, Satya Prakash Singh. "Stereochemistry and Its Role in Drug Design". *International Journal of Pharmaceutical Sciences and Research*; Nov 2014; 5(11):4644-4659.

Mrs. Shazia Usmani

Shazia Usmani, "Anti-proliferative Activity of Crude Extract and Fractions Obtained from *Digera muricata* on HeLa Cell Lines of Human Cervix and A549 cells," *Phcog J*, Dec. 6(6), 2014, 32-38.

Dr. Poonam Kushwaha

Poonam Kushwaha. "Overview of Current Challenges of Nanoparticle Toxicity." *International Journal of Pharmaceutical Sciences and Nanotechnology*; October -December 7(4), 2014.

Muhammad Mujahid

Mohd. Mujahid, Hefazat H. Siddiqui, Arshad Hussain, and Md. Sarfaraj Hussain. "In- Vitro Evaluation of Free Radical Scavenging Activity of *Erythrina indica* Leaves". *Journal of Drug Delivery & Therapeutics*; 2014, 4(4), 49-54

Md. Azizur Rahman

Md. Azizur Rahman, Arshad Hussain. "Phytochemical and analytical evaluation of Cordia dichotoma Linn. leaves." Pharmacognosy Journal, Jan-Feb 2015; 7(1):58-63

Md. Azizur Rahman and Arshad Hussain. "Anticancer activity and apoptosis inducing effect of methanolic extract of Cordia dichotoma against human cancer cell line." Bangladesh J. Pharmacol, Jan 2015; 10: 27-34.

Tarique Mahmood

Tarique Mahmood, Hefazat H. Siddiqui Rakesh Dixit, Paramdeep Bagga and Md. Sarfaraj Hussain "Protective Effect of Bombyx mori L Cocoon (Abresham) and its Formulations against Isoproterenol-Induced Cardiac Damage." Tropical Journal of Pharmaceutical Research January 2015; 14 (1): 1319-1326

Usama Ahmad

Usama Ahmad, Md. Talib Hussain and Md. Faiyazuddin. "Nanotechnology based chemopreventive approaches to improve the oral delivery of silymarin in liver cancer" pp 809-817. In "Nanotechnology: Novel Perspectives & Prospects", NANOSCITECH 2014 Conference, held at Punjab University.

Seminars/Conferences Attended

National Seminar on "Recent Advances in Medicinal Chemistry", organized by Department of Chemistry, Lucknow Christian Post-Graduate College, Lucknow, India on November 7-9th, 2014 was attended by Juber Akhtar, Kuldeep Singh, Arun Kumar, Mehnaz Kamal, Anup Kumar Sirbaiya, Satya Prakash Singh, Vaseem Ahmad Ansari, Anuradha Mishra, Shazia Usmani, Ranjan Kumar & Shabana Khatoon

Poster Presentation

Dr. Mehnaz Kamal

Entitled "Synthesis, Anticonvulsant and Neurotoxicity Evaluation of Some Novel Benzofuran Analogs" presented and published in the proceedings of National Seminar on "Recent Advances in Medicinal Chemistry", organized by Department of Chemistry, Lucknow Christian Post-Graduate College, Lucknow, India on November 7-9th, 2014.

Book Published

Dr. Anuradha Mishra

Preclinical evaluation of pharmacodynamic drug interaction in mammals, Lambert Academic Publishing. ISBN: 978-3-659-60878-0. Sept. 2014.

Extracurricular Activities

Dr. Mehnaz Kamal

Appointed as a member of the Editorial Board of Latin American Journal of Pharmaceutical Science.

Appointed as a member of the Editorial Board of American Journal of Pharmacology and Pharmacotherapeutics.

Appointed as a member of the Editorial Board of Edorium Journal of Pharmacology.

The Activities of Department of Computer Application

Organized A Seminar On Cyber Threats To Digital World

Department of Computer Application organized a National Seminar on “Cyber Threats to Digital World” on 24th September 2014. The seminar was organized under the aegis of Indian Society of Technical Education (ISTE) & Computer Society of India (CSI) Chapter. Mr. Rakshit Tandon, a famous Cyber Security Expert and Director of A & R Info solution, Agra, was the keynote speaker on the occasion. Mr. Tandon emphasized on the present scenario of cyber crimes and stated that awareness of cyber threats must be spread among the internet users in the country. Some other speakers also discussed their views on this topic of paramount importance. The event was inaugurated by Prof. T. Usmani, Pro Vice Chancellor, Integral University. Prof. A. A. Zilli, Dean Computer Application & Prof. Md. Rizwan Beg, Controller of examinations discussed the technical aspects of Cyber Security. Mohammad Faisal & Md. Muqem from Dept. of Computer Application coordinated the seminar.

Events



Prof. T. Usmani, addressing the audience



Mr. Rakshit Tandon, Director A&R info solution, speaking on the occasion



Prof. A.A. Zilli, giving a keynote address

Technical Poster Presentation :

Department of Computer Application organized Technical Poster Presentation on 22nd September, 2014 on the "Emerging trends in Computing Technologies" like cloud computing, Artificial intelligence, Neuroscience, etc. under the aegis of Indian Society of Technical Education (ISTE) & Computer Society of India (CSI) Chapter. The event was inaugurated and judged by Prof. T. Usmani, Pro-Vice Chancellor, Integral University, and Prof. A. A. Zilli, Dean, Computer Application. Prof. S.W. Akhtar, Hon'ble Vice Chancellor, graced the event with his presence. The First position holder was Shivanshu Srivastava (BCA 2nd yr), second position holders were Aniruddh Srivastava (BCA 3rd yr) & Samia Meher (MCA 3rd yr) and the third position holders were Shikhar Bhargav (MCA 2nd yr), Avinash Pandey (BCA 2nd yr), Eti Srivastava (BCA 3rd yr) & Mohd. Aqib (BCA 1st yr). BCA and MCA students enthusiastically participated in the programmes and bagged various prizes and certificates.



Prof. S.W. Akhtar & Prof. Zilli with the students in the event of Technical Poster Presentation

Code Uncode 2014:

Department of Computer Application organized "CODE UNCODE 2014", an international online programming competition in association with EC- Council under the aegis of ISTE Student Chapter on 18 Sep 2014. EC-Council (International Council of E-Commerce Consultants) is a USA based world's largest certification body for Information Security professionals.

This was an international event where students, corporates and professionals participated and competed on the various levels of the competition. The event brought together existing and aspiring secure programming enthusiasts from all walks of the infosec world - from the Corporates and government bodies to academic institutions.

There was a good turnover of registered students and the final year students enthusiastically participated in the event. A total of 213 students got registered and appeared in the test. Md. Faisal from Dept. of Computer Application coordinated the test.

Department of Mechanical Engineering

- A 20-day training programme on Solid Works was organized to hone the design capability of the aspiring students, by the Department of Mechanical Engineering in association with CETPA Infotech Pvt. Ltd. from 8/9/2014 to 30/9/2014.
- A two-day Advance Autonomous Robotic Workshop on "Gesture Recognition Using IR Sensors" was organized by the Department of Mechanical Engineering in association with Robospecies Technologies Pvt. Ltd., Noida from 17-18 Sep, 2014.
- A seminar was organized by the Department of Mechanical Engineering on "Advance Methodology Approach of Industrial Design Using NX Software held on Sep 24, 2014.
- Er. Mohd. Anas attended a short term course on "Design Thinking" held from Sep. 1 to Sept. 5, 2014 at IIT, Kanpur.
- Er. Mohd. Anas coordinated a two-day advance robotic workshop ROBO-ZEST '15 from 17 to 18 Sep. 2014 association with Robospecies Technologies Pvt. Ltd., Noida.
- Dr. P.K. Bharti chaired a session in BRIDGES 2015: An International Workshop on "Bridging Development Divide for Inclusive Growth through Science, Technology and Innovation" between January 16 and January 17, 2015.
- Dr. P. K. Bharti delivered the key note address on "Solar Power Production – Prospects of Development" in All-India National Seminar on "Sources of Planet Energy, Environmental & Disaster Science: Challenge & Strategies" (SPEEP-2014) in association with The Council of Science & Technology, UP & UPTU, Lucknow and School of Management Sciences, Lucknow held on Nov. 1-2, 2014.

Department of Bio-Sciences

Prof. Neelam Pathak

Research Publications

1. Farina Mujeeb, Preeti Bajpai and Neelam Pathak. (2014) "Phytochemical Evaluation, Antimicrobial Activity and Determination of Bioactive Components from leaves of *Aegle marmelos*". Biomed Research International, 2014:497606. doi: 10.1155/2014/497606. Epub 2014 May 11
2. Chhedi Lal Gupta, Jasarat Ali., Nilesh Kumar, Neelam Pathak, Preeti Bajpai. (2014) "In Silico Elucidation and Inhibition Studies of Selected Phytoligands Against Mitogen Activated Protein Kinases of Protozoan Parasites". Interdisciplinary Sciences, DOI: 10.1007/s12539-014-0210
3. P Saxena, VK Singh, N Pathak. (2014) "Antioxidative Enzymes and Biochemical Changes in Paclobutrazol Induced Flowering in Mango (*M. indica*) Cultivars". Journal of Environmental Biology 35, 1061-1066
4. M Ashfaq, S Solomon, N Pathak. (2014) "Optimization of Pretreatment and Fermentation Conditions for Production of Extracellular Cellulase Complex Using Sugarcane Bagasse Bioinformation". doi: 10.6026/97320630010606.
5. F Fatima, N Pathak, S Rastogi Verma. (2014) "An Improved Method for Soil DNA Extraction to Study the Microbial Assortment within Rhizospheric Region". Molecular Biology International, doi: 10.1155/2014/518960
6. RK Mishra, DK Verma, BK Pandey, N Pathak, M Zeeshan. (2014) "Direct Colony Nested-PCR for the Detection of *Fusarium Oxysporum* f. sp.," *Psidii*. doi: 10.4172/horticulture.1000105.
7. S Anees, S Suhail, N Pathak, M Zeeshan. (2014) "Potential Use of Rice Field Cyanobacterium *Nostoc Muscorum* in the Evaluation of Butachlor Induced Toxicity and Their Degradation. Bioinformation," 10 (6), 365.

8. M Shahid, M Srivastava, A Singh, V Kumar, S Rastogi, N Pathak. (2014) "Comparative Study of Biological Agents, *Trichoderma harzianum* (Th-Azad) and *Trichoderma Viride* (O1PP) for Controlling Wilt Disease in Pigeon Pea". *Journal of Microbial & Biochemical Technology*, 10.4172/1948-5948.1000130

Dr. Mohtashim Lohani

Research Publications

1. Kumar S, Poojan S, Verma V, Verma MK, Lohani M. "Rapid Isolation of Integrin Rich Multipotent Stem Cell Pool and Reconstruction of Mouse Epidermis Equivalent." *Am J Stem Cells*. 2014; 3(1):27-36. eCollection 2014.
2. Khan S, Adnan M, Haque S, Lohani M, Khan M, Tripathi CK. "A modified Lumry-Eyring Analysis for the Determination of the Predominant Mechanism Underlying the Diminution of Protein Aggregation by Glycerol." *Cell Biochem Biophys*. 2014; 68(1):133-42.
3. Tripathi VK, Kumar V, Singh AK, Kashyap MP, Jahan S, Pandey A, Alam S, Khan F, Khanna VK, Yadav S, Lohani M, Pant AB. "Monocrotophos Induces the Expression and Activity of Xenobiotic Metabolizing Enzymes in Pre-sensitized Cultured Human Brain Cells". *PLoS One*. 2014; 9(3):e91946. (IF-3.730).
4. Srivastava AK, Rai S, Srivastava MK, Lohani M, Mudiam MK, Srivastava, "LP. Determination of 17 Organophosphate Pesticide Residues in Mango by Modified QuEChERS Extraction Method Using GC-NPD/GC-MS and Hazard Index Estimation in Lucknow, India." *PLoS One*. 2014 May 8;9(5):e96493. (IF-3.730).
5. Dhasmana A, Jamal QMS, Mir SS, Bhatt MLB, Rahman Q, Gupta R, Siddiqui MH, Lohani M. "Titanium Dioxide Nanoparticles as Guardian Against Environmental Carcinogen Benzo[alpha]Pyrene." *PLoS One*. 2014 September; 9 (9) (IF-3.730).
6. Sarangi AN, Lohani M, Aggarwal R. "Proteome Mining for Drug Target Identification in *Listeria Monocytogenes* EGD-e and Structure Based Virtual Screening of a Candidate Drug Target Penicillin Binding Protein" 4. *J Microbiol Methods*. 2015 Jan 17. pii: S0167-7012(15)00025-1.
7. Baig MH, Sudhakar DR, Kalaiarasan P, Subbarao N, Wadhawa G, Lohani M, Khan MK, Khan AU. "Insight into the Effect of Inhibitor Resistant S130G Mutant on Physico-Chemical Properties of SHV Type Beta-Lactamase: A Molecular Dynamics Study". *PLoS One*. 2014 Dec 5;9(12):e112456. doi: 10.1371/journal.pone.0112456. eCollection 2014.

Placement of Students:

Dr. Hassan Baig : Received RA from CSIR (Jan. 2015).

Dr. Mohd. Sajid Khan

Conference attended

- Oral Presentation on "Glycation Assisted Synthesized Gold Nanoparticles Inhibit Growth of Bone Cancer Cells" in the 27th Annual National Conference & International CME (25th - 27th Nov, 2014) on Innovation in Atherosclerosis & Cardiac Diseases (ISARCON 2014) organized by Indian Society for Atherosclerosis Research in the Department of Pathology, King George's Medical University, U.P. Lucknow, India.

Dr. M. Salman Khan

Conference

Best oral presentation (Young Scientist category) to Dr. M. Salman Khan at 24th Annual National Conference & International CME on "Innovation in Atherosclerosis & Cardiac disease", Indian Society for Atherosclerosis Research on Innovations in Atherosclerosis & Cardiac Disease (ISARCON 2014), Department of Pathology, King George's Medical University UP, Lucknow. 25th- 27th November 2014.

Research Publications

1. Akhter F, M. Salman Khan, Ahmad S. 2014. Acquired immunogenicity of calf thymus DNA and LDL modified by d-ribose: A comparative study. *International Journal of Biological Macromolecules* 72: 1222–1227
2. Akhter F, M. Salman Khan*, Singh S, Ahmad S. 2014. An Immunohistochemical Analysis to Validate the Rationale behind the Enhanced Immunogenicity of D-Ribosylated Low Density Lipo-Protein. *PLoS ONE* 9(11): e113144. doi:10.1371/journal.pone.0113144
3. Usman Sayeed, Gulshan Wadhwa, M Kalim A Khan, Qazi Mohd Sajid Jamal, Salman Akhtar & M Salman Khan*. 2014. An Immuno-informatics driven Epitope study from the molecular interaction of JEV non-structural (NS) proteins with Ribophorin (RPN). *Bioinformatics*. 10(8):496-501.
4. Arshya Hashim, M. Salman Khan* & Saheem Ahmad. 2014. Alleviation of hyperglycemia and hyperlipidemia by *Phyllanthus virgatus* Forst extract and its partially purified fraction in streptozotocin induced diabetic rats. *EXCLI Journal* 13:809-824.
5. Danish Iqbal, M. Salman Khan*, Amir Khan, Mohd. Sajid Khan, Saheem Ahmad, Ashwani K. Srivastava, Paramdeep Bagga. 2014. In vitro screening for β -hydroxy- β -methylglutaryl-CoA reductase inhibitory and antioxidant activity of sequentially extracted fractions of *Ficus palmata* Forsk. *Biomed Res International*. Article ID-762620. <http://dx.doi.org/10.1155/2014/762620>.
6. M. Rahim, S. Iram, Mohd S Khan, M. Salman Khan, A R. Shukla, A.K. Srivastava, S. Ahmad. 2014. Glycation-assisted synthesized gold nanoparticles inhibit growth of bone cancer cells. *Colloids and Surfaces B: Biointerfaces*. 117:473-9
7. Ahmad Saheem, Moin uddin, M. Salman Khan, U Shahab. 2014. Glyco-oxidative damage to human DNA– Neoantigenic epitopes on DNA molecule could be a possible reason for autoimmune response in type 1 diabetes. *Glycobiology*. 24(3):281-91.

Dr. Priti Bajpai

Project:

Ms. Pratibha Shukla under the supervision of Dr. Priti Bajpai and co-supervision of Dr. Neelam Pathak has been awarded a women scientist project (WOS-A) from Department of Science and Technology, New Delhi. The project entitled "Elucidation of Jab1-RNAi role in inducing apoptosis by enhancing p27 expression in gallbladder carcinoma" is of INR 23 lakhs.

Research Publications

1. Farina Mujeeb, Preeti Bajpai and Neelam Pathak. (2014) Phytochemical Evaluation, Antimicrobial Activity and Determination of Bioactive Components from leaves of *Aegle marmelos*. *Biomed Research International*, 2014:497606. doi: 10.1155/2014/497606. Epub 2014 May 11
2. Chhedi Lal Gupta, Salman Akhtar, Jasarat Ali,, Nilesh Kumar, Neelam Pathak, Preeti Bajpai. (2014) In silico elucidation and inhibition studies of selected phytoligands against Mitogen activated Protein Kinases of protozoan

- parasites. *Interdisciplinary Sciences*, DOI: 10.1007/s12539-014-0210
3. Chhedi Lal Gupta, Salman Akhtar, Preeti Bajpai. (2014) In silico protein modeling: possibilities and limitations. *EXCLI Journal*, 13, 513-515.
 4. Jeetendra Kumar Nag, Nidhi Shrivastava, Dhanvantri Pachehara, Chhedi Lal Gupta, Preeti Bajpai and Shailja Misra-Bhattacharya. (2014) Wolbachia Transcription elongation factor "Wol GreA" of interacts with a 2B β 's subunits of RNA polymerase through its dimeric C-terminal domain. *Plos Neglected Tropical Diseases*, 2014 19;8(6):e2930. doi: 10.1371/journal.pntd.0002930.
 5. Nag JK, Shrivastava N, Tiwari M, Gupta CI, Bajpai P, Chahar D, Misra-Bhattacharya S. (2014) Wolbachia translation initiation factor-1 is copiously expressed by the adult, microfilariae and infective larvae of *Brugia malayi* and competitively inhibited by tetracycline. *Acta Trop. Oct*;138:51-9. doi: 10.1016/j.actatropica.
 6. Nigam A, Priya S, Bajpai P, Kumar S. (2014) Cytogenomics of hexavalent chromium (Cr 6+) exposed cells: a comprehensive review. *Indian J Med Res.*,139(3):349-70.
 7. Priya S, Nigam A, Bajpai P, Kumar S. (2014) Diethyl maleate inhibits MCA+TPA transformed cell growth via modulation of GSH, MAPK, and cancer pathways. *Chem Biol Interact*, 5; 219:37-47. doi: 10.1016/j.cbi.

Dr. Saheem Ahmad

Research Publications

1. Raheem M, Iram S, Khan MS, Khan MS, Shukla AR, Srivastava AK, Ahmad Saheem (2014). Glycation-assisted synthesized gold nanoparticles inhibit growth of bone cancer cells, *Colloid and Surfaces-B*. 117:473-9. (5 yr. I.F. 4.28).
2. Ahmad Saheem, Moinuddin, Shahab U, Khan MS, Habeeb S, Alam K, Ali A (2014). Glyco-oxidative damage to human DNA– Neo-antigenic epitopes on DNA molecule could be a possible reason for autoimmune response in type 1 diabetes. *Glycobiology*. 24(3):281-91. (5 yr. I.F. 3.803).
3. Iqbal D, Khan MS, Khan A, Khan MS, Ahmad Saheem, Srivastava AK, Paramdeep B (2014). In Vitro Screening for β -hydroxy- β -methylglutaryl-CoA Reductase Inhibitory and Antioxidant Activity of Sequentially Extracted Fractions of *Ficus Palmata* Forsk. *BioMed Research International*. 762620. (I.F. 2.7).
4. Ahmad Saheem*, Khan MS, Khan MS, Akhter F, Khan A, Ashraf JM, Pandey RP, Shahab U (2014) Glycooxidation of biological macromolecules: A critical approach to halt the menace of glycation. *Glycobiology* 24(11):979-90. (5 yr. I.F. 3.803).
5. Shahab U, Tabrez S, Khan MS, Akhter F, Khan MS, Saeed M, Ahmad K, Srivastava AK, Ahmad Saheem* (2014) Immunogenicity of DNA-advanced glycation end product fashioned through glyoxal and arginine in the presence of Fe³⁺: its potential role in prompt recognition of diabetes mellitus auto-antibodies. *Chemico Biol Int*. 219; 229-240 (5yr. I.F. 3.154).
6. Ahmad Saheem, Moinuddin, Habib S, Shahab U, Alam K, Ali A (2014) Autoimmune response to AGE modified human DNA: Implications in type 1 Diabetes mellitus. *J Clin. Trans. Endo*. 1:3; 66-72.
7. Arshya H, Khan MS, Ahmad Saheem (2014) Alleviation of hyperglycemia and hyperlipidemia by *phyllanthus virgatus* forst extract and its partially purified fraction in streptozotocin induced diabetic rats. *EXCLI Journal* 13:809-824. (I.F. 1.068).
8. Ashraf JM, Ahmad Saheem, Rabbani G, Arif T, Lee EJ, Khan RH, Choi Inho (2014) Physicochemical analysis of structural alteration and AGEs generation during glycation of H2A histone by 3-Deoxyglucosone. *IUBMB Life*, 66(10):686-93. (5 yr. I.F. 3.51).
9. Akhter F, Khan MS, Singh S, Ahmad Saheem* (2014) An Immunohistochemical analysis to validate the rationale behind the enhanced immunogenicity of D-ribosylated low density lipo-protein. *PLoS ONE*. 9 (11), e113144 (5 yr. I.F. 4.02).

10. Chanchal A, Vohra R, Elesela S, Bhushan L, Kumar S, Kumar S, Ahmad Saheem, Pandey RP (2014) Gelatin Biopolymer: A Journey from Micro to Nano. *Journal of Pharm Res.* 8(10), 1387-1397. (I.F. 2.667).
11. Ashraf JM, Ahmad Saheem, Rabbani G, Arif T, Lee EJ, Khan RH, Choi Inho (2015) 3-Deoxyglucosone: A Potential glycation agent accountable for structural alteration in H3 histone protein through generation of different AGEs. *PLoS ONE*, Accepted (5 yr. I.F. 4.02).
12. Ahmad Saheem* (2014). Editorial. Immunogenicity of DNA damage by free radicals and carbonyls: A probable bio-marker for the auto-immune diseases. *J Immun Res.* 1 (2): 2.
13. Akhter F, Khan MS, Ahmad Saheem* (2015) Acquired immunogenicity of calf thymus DNA and LDL modified by D-ribose: A comparative study. *Int. J. Biol. Macro.* 72:1222-1227 (5 yr. I.F. 3.227).
14. Khan S, Rizvi SM, Ahmad V, Baig MH, Kamal MA, Ahmad Saheem, Rai M., Muhammad AN, Iqbal Z, Mushtaq G and Khan MS (2015). Magnetic Nanoparticles: properties, synthesis and biomedical applications. *Current Drug Metabolism* (In Press). (5 yr. I.F. 4.205).

Placement of students

1. Dr. Mohd. Hassan Baig, Ph.D from Bio-Sciences has received International Research Professor position on the recommendation of Dr. Saheem Ahmad. He has got the position in the School of Biotechnology, Yeungnam University, Gyeongsan, South Korea.

Dr. Mohd. Syed Danish Rizvi

1. Shaikh, S., Fatima, J., Shakil, S., Rizvi, S.M. et al. 2015, Antibiotic resistance and extended spectrum beta-lactamases: types, epidemiology and treatment. *Saudi Journal of Biological Sciences* 22: 90-101.
2. Shaikh, S., Fatima, J., Shakil, S., Rizvi, S.M., Kamal, M. A. 2015, Risk factors for acquisition of extended spectrum beta lactamase producing *Escherichia coli* and *Klebsiella pneumoniae* in North-Indian hospitals. *Saudi Journal of Biological Sciences* 22, 37-41.
3. Shaikh, S., Rizvi, S.M. Hameed, N., Biswas, D., Khan, M. et al. 2014, Aptiom (Eslincarbazepine acetate) as a dual inhibitor of β -secretase and Voltage-gated sodium channel: advancement in Alzheimer's disease-Epilepsy linkage via an enzoinformatics study. *CNS Neurol Disord Drug Targets* 13(7): 1258-62.
4. Rizvi, S.M., Shaikh, S., Shakil, S., et al. 2014, Fetzima (levomilnacipran), a drug for major depressive disorder as a dual inhibitor for human serotonin transporters and beta-site amyloid precursor protein cleaving enzyme-1. *CNS Neurol Disord Drug Targets* 13(8): 1427-31.
5. Khan, S., Rizvi, S.M., Saeed, M. et al. 2014, A Novel Approach for the Synthesis of Gold Nanoparticles Using Trypsin. *Advanced Science Letters* 20(5-6): 1061-1065.
6. Khan, S., Rizvi, S.M., Ahmad, V. et al. 2014, Magnetic Nanoparticles: properties, synthesis and biomedical applications. *Current Drug Metabolism* (Accepted).

Dr. Mohammad Hayatul Islam

Publications

1. Published a letter to editor in *Pharmacognocny journal* (Elsevier): Mohammad Hayatul Islam, Iffat Zareen Ahmad and Mohammad Tariq Salman (2014) Enhancement in anti-inflammatory and analgesic activities of *Nigella sativa* seed during germination.
2. Mohammad Hayatul Islam, Iffat Zareen Ahmad and Mohammad Tariq Salman (2015) Effects of *Nigella sativa* extracts during germination on central nervous system activities. *Pharmacognosy Magazine*.

Dr. Saheem Ahmad

Presentation a paper on "An Immunohistochemical Analysis to Validate the Rationale Behind the Enhanced Immunogenicity of D-ribosylated Low Density Lipo-Protein" at 24th Annual National Conference & International CME on "Innovation in Atherosclerosis & Cardiac disease", Indian Society for Atherosclerosis Research on Innovations in Atherosclerosis & Cardiac Disease (ISARCON 2014), Department of Pathology, King George's Medical University, Lucknow held between 25th and 27th November 2014.

Dr. Mohd. Imran**Conference and Publications**

Represented Integral University in a conference on "National Muslim Social Leadership Summit" organized by Movement for Empowerment of Muslim Indians (MOEMIN) held on Feb 13-15, 2015, New Delhi. He gave his presentation on "Muslim Leadership in India: Problems and Solutions"

Publications

- (1) Akhtar, A., Imran, M. and Akhtar, F. (2014) Determination of Multiple Antibiotic Resistance Patterns and Indexing among Metal Tolerant β -lactamase-producing *Escherichia coli*. African Journal of microbiology Research. 8(7): 619-627.
- (2) Akhtar, A., Imran, M. and Akhtar, F. (2014) (2014) Antimicrobial Resistant Coliform Bacteria in the Gomti River Water and Determination of their Tolerance Level. Bioinformation.10(4):167-174.
- (3) Abbas M, Srivastava K., Imran M. and Banerjee M.(2014) Association of CYP1A1 gene variants rs4646903 (T>C) and rs1048943 (A>G) with Cervical Cancer in a North Indian Population. European Journal of Obstetrics & Gynecology and Reproductive Biology.176: 68-74.
- (4) Alam M. and Imran, M. (2014) Multiple Antibiotic Resistance in Metal Tolerant *E. coli* from Hospital Wastewater. Bioinformation 10 (5): 267-272.
- (5) Hussain A., Khan M.I., Iqbal S.M, Imran M., Mallik M.A. and Alam M. (2014) The Microbial Pollution of Shallow Ground Water Strata due to Seepage of Sewage and Waste Water Discharge. Am. J. Pharmtech. Res. 4 (3):767-780.
- (6) Alam S*, Rangaswamy D, Prakash S, Sharma R.K, Imran M., A. Sonawane A and Agrawal A (2015) Impact of Killer Immunoglobulin-like Receptor-human Leukocyte AntigensLligand Incompatibility among Renal Transplantation. Indian Journal of Nephrology 25: 27-33.
- (7) Akhter, A. and Imran, M (2015) Prevalence of Multi- drug Resistance and Health Risk Potential in Metal Tolerant *Enterobacter* spp. from Polluted River Water. European J. Environ. Ecol. 2(1). 44-52.
- (8) Alam M, and Imran, M (2015) Distribution and Limits of Drug Resistance in Gram Negative Bacteria from Hospital Wastewater. American Journal of Pharmtech Research: 5(1) 2249-3387.

DR. ROLEE SHARMA**Publications**

1. Shukla Shubhra, Shukla Sanjeev K, Sharma Rolee and Kumar Ajay. Identification of *Mycobacterium* species from apparently healthy fresh water fish using partial sequencing and PCR-RFLP analysis of Heat Shock Protein (hsp65) gene. J. Appl. Ichthyol. 2014, 30(3):513-520.
2. Verma Vikas, Vikas Sharma, Vishal Singh, Sharma Rolee et al. Labda-8(17),12,14-trien-19-oic acid contained in fruits of *Cupressus sempervirens* suppresses benign prostatic hyperplasia in rat and in vitro human models

- through inhibition of androgen and STAT-3 signaling. *Phytotherapy Research*, 2014, DOI: 10.1002/ptr.5114
3. Vikas Kushwaha, Vikash Kumar, Shiv K. Verma, Rolee Sharma, M.I. Siddiqi, P.K. Murthy. 2014. Disorganized muscle protein-1 (DIM-1) of filarial parasite *Brugia malayi*: cDNA cloning, expression, purification, structural modeling and its potential as vaccine candidate for human filarial infection. *Vaccine* 32 (15):1693-1699.
 4. Khushboo Ambreen, Rolee Sharma, Kaleshwar Prasad Singh, Mohd Abbas, Sudhir Kumar. Association of GSTM1, GSTT1 and CYP2E1 Gene Polymorphisms with Antituberculosis Drug Induced Hepatotoxicity in North Indian Population. *International Journal of Health Sciences and Research* 2014, 4(2): 149-160.

Publications

Prof. (Dr.) Iffat Zareen Ahmad

1. Nida Fatima, Hera Chaudhry and Iffat Zareen Ahmad (2015). UV-B protecting activity of *Synechococcus* spp. PCC7942 by antioxidative defense system. *Int J Pharm Bio Sci* 2015 Jan; 6(1): (B) 344 - 357 (Impact factor = 2.958).
2. Jitendra P SINGH¹, AK Singh, Anju Bajpai & Iffat Zareen Ahmad .CHARACTERIZATION OF DIFFERENT SYZYGIUM CUMINI SKEELS ACCESSIONS BASED ON PHYSICO-CHEMICAL ATTRIBUTES AND PHYTOCHEMICAL INVESTIGATIONS, *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol. 7, Issue 5, May 2015.

Department of English

Mr. Syed Wahaj Mohsin

Publication Details:

- Research paper entitled "Cinematizing Shakespeare: A Study of Shakespearean Presence in Indian Cinema" is published in *International journal of English Language, Literature & Humanities (IJELLH - ISSN 2321-7065 (Volume II, Issue X, February 2015, International Journal Online : ISSN 2321-7065).*
- Research Paper titled *Unconventionality Explored: A Stylistic and Thematic Study of Toni Morrison's Fiction* accepted for publication in a forthcoming *Anthology of New Literatures*.
- Research Paper entitled "*Dismembered Dreams : A Diasporic study of Benjamin Daniel's Aadu Jeevitham (Goat Days)*" is published in Volume III, Issue I, March 2015, issue of *IJELLH (International Journal of English Language Literature & Humanities - ISSN : 2321-7065) an International Journal*.

Mr. Mohd. Tariq

Qualified UGC-NET (English), 2014



Prof. S.W. Akhtar felicitating the security guard on Republic Day.

Seven-Day National Service Scheme (NSS) Camp of Integral University

Integral University organized a seven-day special camp from 21st Feb. to 27th Feb. 2015 at five different locations in adopted villages near Integral University under the National Service Scheme, Ministry of Youth Affairs & Sports Govt. of India, popularly known as NSS.

The seven-day camp was held at Paikaramau, Bheekhapurva, Sadamau, Bhakhamau, and Shrikrishnapurwa. During the camp, around 250 students of Integral University from various programs worked for the social cause under the supervision of the camp supervisors.

Mr. Mohd Zafar, NSS Coordinator, Integral University, said that the University had been organizing these camps for the last 10 years. This year, during the seven-day camp five villages were covered. In the camp programs like Social Work, Literacy Campaign, Cleanliness Awareness Drive, Blood Donation Camp, Plantation Campaign, Sports and Recreation Activities and a major focus on Swine Flu Awareness Program were undertaken.

To successfully execute the program, 250 students were divided in five groups with 50 students each for five locations. For the supervision of each group one NSS Program Officer was deputed for each location. Mr. Mohd Zafar supervised in Sadamau, Mr. Syed Wahaj Mohsin in Bhakhamau, Dr. Zahid Raza in Paikaramau, Ms. Isha Sharma in Shrikrishnapurwa and Mr. Usman Khan in Bheekhapurva.

The event was flagged off by Prof S.W. Akhtar, the Vice Chancellor, Integral University on 21st Feb. and the concluding ceremony was held on 27th Feb. 2015. Prof S.W.Akhtar exhorted all the volunteers to give their best and benefit the society at large.



Integral University, Lucknow

Academic Calendar 2014-2015 (Even Semesters)

B.Tech./ M.Tech. /B.C.A./ M.C.A /B.B.A./M.B.A./B.Sc./M.Sc./M.Arch./B.Com.
University Polytechnic/ B.Arch

S.N.	Programme	II, IV, VI, VIII & X Semester
1	Reporting for registration	January 5, 2015 Monday
2	Commencement of Classes	January 6, 2015 Thursday
2	a) Last date of submitting Regular and Carryover Examination form	February 28, 2015 Saturday
	b) Last date of submitting Regular and Carryover Examination form with late fee of Rs. 1000/-.	March 16, 2015 Monday
	c) Last date of submitting Regular and Carryover Examination form with late fee of Rs. 5000/-	April 15, 2015 Wednesday
3	a) First Mid Semester Test	February 18-21, 2015 Wednesday – Saturday
	b) Second Mid Semester Test	April 8-11, 2015 Wednesday – Saturday
4	Last date for submitting Sessional Marks	April 30, 2014 Wednesday
5	End Semester Practical Examination	May 1-7, 2015 Friday – Thursday
6	End Semester Theory Examination	May 11-25, 2015 Monday – Monday
7	Evaluation of Answer Books	May 13 – 27, 2015 Wednesday – Wednesday
8	Showing of End Semester Examination Copies	May 28 - 30, 2015 Thursday – Saturday
9	Summer Vacation	May 31 - July 5, 2015 Sunday – Sunday
10	a) Summer Training (Diploma Engineering 2 nd year / B.Tech. 2 nd , 3 rd Year / B.B.A. 2 nd year), 4 Weeks	June 1- June 27, 2015 Monday – Saturday
	b) M.B.A. (1 st Year), 6 Weeks	June 1- July 9, 2015 Monday – Thursday
	c) Industrial Training M.Sc. Biotechnology, Microbiology, Biochemistry (final year)	January 8-April 10, 2015 Thursday – Friday
	d) Industrial Training M.Sc. Industrial Chemistry (final year)	February 16 – April 28, 2015 Monday – Tuesday
	e) Industrial Training B.Tech. Biotechnology / M.Tech. Biotechnology, B.Tech.+M.Tech. Biotechnology (Dual Degree), M.C.A. (final year)	December 26, 2014 – June 25, 2015 Friday – Thursday
11	Tentative date for declaration of result	June 1, 2015 Monday
12	a) Registration and deposition of fee for next Session for 3 rd and 4 th year	July 6, 2015 Monday
	b) Commencement of Classes for next Session for 3 rd and 4 th year	July 7, 2015 Tuesday
13	a) Registration and deposition of fee for next Session for 2 nd year except that of MBA 2 nd year	July 8, 2015 Wednesday
	b) Commencement of Classes for next Session 2 nd year except that of MBA 2 nd year	July 9, 2015 Thursday
14	a) Registration and deposition of fee for MBA 2 nd year	July 13, 2015 Monday
	b) Commencement of Classes of MBA 2 nd year (3 rd Semester)	July 14, 2015 Tuesday

Note:

- Deans / HoDs should ensure that 1/3rd of the syllabus are completed before First Mid Semester Tests and 2/3rd syllabus should be completed before taking Second Mid Semester Test.
- It is mandatory for all the students to appear in both Mid Semester Tests. Average of both mid semester marks shall be taken for computing the Sessional marks.
- Teachers are required to take Short Term Tests and Quizzes during the teaching of any topic or after its completion besides the above two Mid Semester Tests.
- Deans / HoDs should also ensure that minimum 540 hours are completed during the semester. If required, extra classes shall be arranged in holidays.
- No student will be allowed to appear in the End Semester / Annual examination who does not attain the minimum required attendance as per University rule.
- Changes, if required, will be displayed on the Notice Boards from time to time.
- The following days shall be celebrated by the departments mentioned against each event by arranging seminar, symposia, special lecture etc.
 - National Science Day on February 28, 2015 by the Faculty of Applied Science.
 - World Women's Day on March 9, 2015 by the department of Bioengineering.
 - World Water Day on March 23, 2015 and World Environment Day on June 5, 2015 by the Department of Civil Engineering / Department of Environmental Science.
 - National Technology Day on May 11, 2015 by the Department of Mechanical Engineering.

Prof. S.W. Akhtar
(Vice Chancellor)



A Seat of Excellence



INTEGRAL UNIVERSITY

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