

PANORAMA- NEWSLETTER

Vol-II, Issue-I, January-April 2016



Jiwaji University
Gwalior



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PANORAMA-NEWS LETTER

(Vol-II, Issue-1, Jan-Apr. 2016)

Rashtriya Uchchar Shiksha Abhiyan (RUSA) Grant

Jiwaji University becomes 'A' Grade University in Madhya Pradesh re-accredited by NAAC, Bangalore during 2015. Being an 'A' Grade University the MHRD through Madhya Pradesh State Government, sanctioned an amount of Rs 20 Crores for 2015-16 and 2016-17. An amount of Rs. 2.5 Crores has been received by the University for renovation and new construction of academic buildings, hostels, conference halls etc. The construction work is in progress under the supervision of Public Works Department (PWD), the premier agency of Govt. of Madhya Pradesh.



New Executive Council Members

New members have joined the Executive Council of Jiwaji University Gwalior. Shri Ram Pratap Singh, Gwalior; Smt. Kavita Raikwar, Bhopal; Dr. Suresh Silawat, Principal, Govt. P.G. College, Guna; Dr. Dayaram Rahul, Principal, Govt. P.G. College, Ashok Nagar and Dr. B.L. Ahirwar, Principal, Govt. College, Mungaoli.

Republic Day Celebrations

The 69th Republic Day Celebrations on January 26, 2016 began with flag hosting by Prof. Sangeeta Shukla, Vice Chancellor, at the newly developed Azad Park in front of the administrative building. Annual calendar on the academic activities in different Schools of studies and Centers of the Jiwaji University was released. Prof. R.J. Rao, Rector announced the schedules of all workshops, seminars, conferences and invited talks by reputed academician throughout the year 2016 in the University. The event concluded with a cultural programme performed by the students.

Convocation (2016)

Annual Convocation of Jiwaji University, Gwalior was held on Wednesday, 6 April 2016. The venue was Gymnasium hall in the Mahadji Sports Complex, Jiwaji University campus.

The Convocation began with a Majestic and grand academic procession followed by the National Song sung by the students and all participants in the convocation with the tune of BSF band. The chief guest for the Convocation was Prof. Virander Singh Chouhan, Former Director, ICGEB and Member University Grants Commission, New Delhi. Also attended by Vice Chancellors of Raja Mansingh Music University, Rajmata Vijayaraje Scindia Krishi Vishwavidyalaya. The Director, Indian Institute of Travel and Tourism Management, and other Dignitaries from the academic council world, Members of Jiwaji University Court and Executive, Judges, Guests from Industries and the Government who witnessed the event.

This year a total of 220 Ph. D., 09 M. Phil., and 220 Graduate and Post Graduate degrees were awarded. A scintillating Medals and Awards ceremony was also part of the Convocation. All the top ranked students in different faculties have been awarded Gold Medals. Several other medals and endowment awards were also distributed. The Jiwaji University awarded Honoris causa Doctor of Letters to Hon'ble Mr. Justice Arun Mishra, Supreme Court of India. Hon'ble Mr. Justice Arun Mishra delivered his speech on the contribution of Jiwaji University in the regional development and thanked the University for awarding Honoris causa Doctor of Letters to him.



National Science Day – 2016

Theme: Enduring Science, Empowering People

National Science Day was celebrated in Jiwaji University during 29th Feb. - 1st March, 2016. Various events were organized in this two day celebrations like workshop on instrumentation, essay competition, poster presentation, quiz competition, debate and popular lectures. Total 153 students were registered and 25 volunteers participated in various events from different Schools of Jiwaji University and affiliated colleges.

On 29th Feb, the celebrations were started by inauguration at the seminar hall of SOS in Zoology. The participants were briefed in about the Instruments and facilities available in various science departments by Heads and senior faculty members asunder;

- ✓ Prof D.D. Agrawal: Facilities available in CIF with emphasis on HPLC and GC
- ✓ Prof. S.K. Gupta: Instruments available in chemistry with emphasis on X-ray crystallography
- ✓ Prof. GBKS Prasad: Instruments available in Biochemistry
- ✓ Dr. Sameer S. Bhagyawant: Instruments available in Biotechnology
- ✓ Prof. M.K. Gupta: Instruments available in Botany and Microbiology
- ✓ Prof. P. Rajaram: Instruments available in Physics
- ✓ Prof. I.K. Patro: Instruments available in Zoology and Neuroscience



Seminars/ Workshops/ Conferences

Earth Day 2016 Celebration

An Earth day was celebrated on 22 April, 2016 by planting trees in the campus. A workshop was organized on that day. Dr. Anand Halve (Incharge Head) and Dr P. K. Jain shared their views on this occasion. The students of the department prepared various posters and were displayed during the workshop.



In the post lunch session, students visited various departments and seen the laboratories and instruments. The working and live demo of HPLC and GC was demonstrated by Prof. D.D. Agrawal and Prof. Radha Tomar, SOS in Chemistry. The other event i.e. essay writing competition was organized at SOS in Biochemistry under the chairmanship of Prof. Y.K. Jaiswal on the topic 'Enduring Science, empowering people'. A total of 35 students participated in the event. The essays were evaluated by a panel of judges. I, II and III prize were awarded to the qualified students.

The debate competition was organized in School of Chemistry on the topic "Science and Spirituality complement each other" under the chairmanship of Prof. Neeraj Jain and Prof. Sanjay Shrivastava. The formal inauguration of Science day Celebration was held on 01.03.2016. Prof. A.K.Singh Hon'ble Vice chancellor, RajmataVijayaraje Scindia Krishi Vishwavidyalaya was the Chief Guest and Prof. S.K. Goel, Head, Department of Biochemistry, AIIMS, Bhopal, was the Guest of Honor. The function was presided by Hon'ble Vice chancellor, Prof. Sangeeta Shukla. There were two popular lectures, one by Prof. S.K. Goel, Head, Department of Biochemistry, AIIMS, Bhopal, on the topic 'Biotechnology: Its Innovations' and the other by Dr. Pankaj Srivastava, Department of Physics, Atal Bihari Vajpai IIITM, on the topic 'Science, Society and Innovations' which were chaired by Prof. Rekha Bhaduria, Dean, Faculty of Life Sciences and Prof. Avinash Tiwari, SOS in Botany. Poster presentation was on the theme 'Enduring Science: Empowering People'. A total of more than 50 students participated in the poster session. They have prepared the posters on various disciplines of science which were judged by a panel of judges. Lastly, Quiz competition was organized in the seminar hall of SOS in Physics under the guidance of Prof. Neeraj Jain, Dr. D.C. Gupta and Dr. Sameer S. Bhagyawant.



XX National Annual Conference of Gwalior Academy of Mathematical Sciences

Symposium on Mathematics in Real Life Problems with Special Reference to Life Sciences

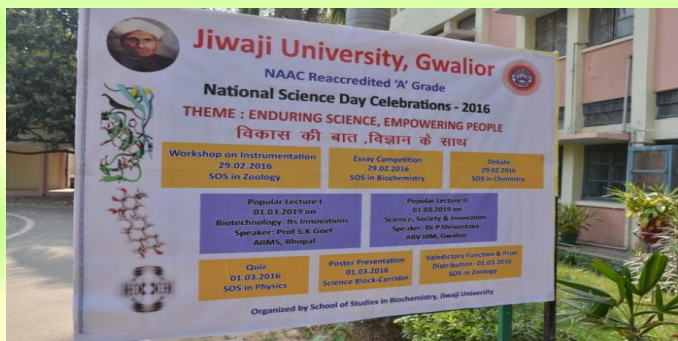
Organized by School of Mathematics and Allied Sciences from February 5-7, 2016.

The conference consisted of various sessions that had veterans and respected personalities in their respective fields, coming from not only every part of the country, but abroad as well, delivering lectures and discussing various issues related to several aspects of their work. Students and research scholars also presented their work.

The conference was attended by over a hundred students, research scholars, and faculties from several departments, including the faculty of mathematics. The conference was based on application of mathematics to real life problems with special reference to life sciences. Aside from academics the discussions included issues related to management, work-plan and timing in education system.

In the first technical session the keynote lecture was delivered by Prof. Mathai on "Some Aspects of Stochastic Geometry" in which he discussed at length the problem of associating probability measures to points in n-dimensional Euclidean space.

The inaugural function was held on Feb.5, 2016 in Galav auditorium. The chief guest at the occasion was Prof. A.M.



Mathai, Director, CMSS and Professor Emeritus, McGill University, Canada. Prof. S. G. Deshmukh, Director, ABV-IIIITM, Gwalior was the special guest. The function was presided over by Prof. R. J. Rao, Rector, Jiwaji University, Gwalior. Prof. Karmeshu, President, Gwalior Academy of Mathematical Sciences also graced the function. On this occasion, legendary mathematicians, Prof. A. M. Mathai, Prof. J. B. Shukla and Prof. V. P. Saxena were felicitated for their phenomenal contribution to mathematics.



The conference concluded with the observation that various mathematical models which are in the form of relations, equations, graphical representations help to simplify and quantify the complicated aspects of life sciences and provide different tools and techniques for the analysis of the studies and researches of biological significance. Hence the collaborative work of mathematicians and life-scientists is very necessary for better understanding of theories and thus enhancing the quality of life in general.

A cultural program was also organized in the evening of inaugural day by the courtesy of students from Raja Mansingh Tomar Music and Arts University. Prof. Swatantra Sharma, Vice Chancellor of RMT Music and Arts University was the Chief guest and Prof. Sangeeta Shukla, Vice Chancellor, Jiwaji University presided over the function. The Bharatnatyam based dance performance and a Play written by Prem Chand were main attractions of the program.



A National Workshop on “Library Automation and Content Management using KOHA Open Source Software” 11th- 15th February, 2016

The School of Studies in Library and Information Science, Jiwaji University, Gwalior organized a National Workshop on “*Library Automation and Content Management using KOHA Open Source Software*” dated on 11th to 15th, February, 2016. Total 42 participants were coming from across the India.



The library hall was fully occupied by the enthusiastic participants, students and staff members. All the dignitaries were called upon the dais to grace the occasion by the organizing secretary, Prof. J.N. Gautam.

Prof. R. J. Rao, presided over the function, Prof. Swatntra Sharma, Hon'ble Vice-chancellor of the Dr. Raja Man Singh Tomar University of Arts and Music was the chief Guest of the function and Prof. Prabhakar Rath from Central University Mizoram, was the Key Note Speaker.



National Seminar on Recent Trends in R & D, Quality and Marketing in Chemical Industries

The conference was inaugurated on 23rd April, 2016 by Hon'ble Vice Chancellor in presence of Hon'ble Rector Prof. R. J. Rao and other invited dignitaries. Prof. Sushil Kumar Gupta, Organizing Secretary in his welcome address emphasized on the importance of conducting such a conference and gave the program details. Prof. D. D. Agarwal, convener, described the theme of the conference. Hon'ble Vice-Chancellor, Prof. Sangeeta Shukla honored Prof. B. L. Khandelwal, an eminent Chemist with citation, shawl and shreefal for his outstanding contributions to R & D in Chemistry. Prof. B. L. Khandelwal in his remarks appreciated the progress of Jiwaji University on academic front and admired Hon'ble Vice-Chancellor for achieving "A" grade.



All the technical sessions were held by the extensive hands on practice by the participants. Participants were very enthusiastic and participate active during the hands on sessions and most of the participants were able to independently complete their practical exercises given to them. The expert solved all their queries with fine technical details.

National Seminar on Global Issues, Trends and Opportunities in Tourism and Hospitality Sector

Two days national seminar on them "Global issues, trends and opportunity in tourism and hospitality sector" was conducted on 12-13th March 2016. The main purpose of this programme was to get insights about the current issues which are being faced by the tourism and hospitality sector globally. Not only the issues but also the trends and opportunities were also discussed in the seminar. The seminar was intended to focus and discuss on various aspects of board and the uprising industry- tourism and hospitality which is supposed to be the largest service industry in the world.

National Workshop on Research Methodology in Education

The workshop was organized by SOS in Adult Education during 11-14 March, 2016 for College teachers. The charm of the workshop was enriched by the presence of chief guest Prof. R. J. Rao, Rector Jiwaji University, Gwalior and Presided by Prof. J.N. Gautam in the inaugural session and Prof. R.J. Rao

and Prof. N.P.C. Chandel from Dayalbagh educational institute, Deemed University, Agra at valedictory function.



International Women's Day (8 March 2016)

International Women's Day -2016 was celebrated on 08.03.2016 jointly by Women Development Cell and SHAW cell of Jiwaji University. The inauguration was organized in seminar hall of School of Mathematics and Allied Sciences. Prof. Shashi Prabha, Former Vice-Chancellor was the chief guest and the function was presided by Hon'ble Vice Chancellor, Prof. Sangeeta Shukla. To spread awareness amongst the girl students on their legal rights, a popular lecture was delivered on the topic 'Legal Rights of Women in India' by Ms. Anuradha Singh, Legal Advisor, Jiwaji University, and other practicing lawyer at M.P. High Court, Gwalior.

The lecture was very informative and made the students aware of their right provided in constitution. A rangoli competition was also organized on this occasion at School of studies in Biochemistry. More than 20 participants were registered. The rangoli was judged by a panel of judges and best three were awarded I, II and III Prize.



Training Program

Institute of Engineering successfully conducted following trainings in coherence with various industries as mentioned below;

- Training on electronics in Surya Limited
- Training on computer science in HCL Bhopal
- Training on electronics in BSNL
- Training on chemical engineering in TEVA

Extension Lectures

Dr. APJ Abdul Kalam Lecture Series

Lecture-1

Dr. V. M. Katoch, Director General (Ex.), ICMR, New Delhi inaugurated this lecture series at Jiwaji University, Gwalior. Dr. Katoch delivered a talk on 31st Jan, 2016. The programme was presided over by Hon'ble Vice-Chancellor, Prof. Sangeeta Shukla and Prof. R.J. Rao, Rector, acted as a chief guest of the function.



Lecture-II

The second lecture was under the banner of Dr. APJ Abdul Kalam lecture series was organized on 23rd February, 2016 by School of Studies in Microbiology in the auditorium of SOS in Botany. Dr. R. Vijayaraghvan, former Director, DRDE, Gwalior has been kindly invited for delivering the lecture on the topic related to "Science and Plagiarism" for the students, research scholars and faculty members of life science.



The Program was chaired by Prof. Rekha Bhaduria, Dean, Faculty of Life Sciences, Jiwaji University and Chief guest of the function was Prof. Anand Mishra Registrar, Jiwaji University, The program was hosted by Prof. M.K. Gupta, Coordinator of SOS in Microbiology. Lecture series was

welcomed by Prof. R.M. Agrawal after delivering the biography of Dr. APJ Abdul Kalam. Series was further enlightened with the speech by Prof Ashok Jain and Prof. Rekha Bhadouriya.

In the lecture Dr. R. Vijayaraghvan communicated the information regarding Plagiarism and stated it as the “wrongful appropriation” and “stealing and publication” of another author’s language, thoughts, ideas, or expressions” and the representation of them as one’s own original word. Lecture was attended by all the students, research scholar and faculty members of life science.

Lecture-III

Dr. APJ Abdul Kalam lecture was organized on March 19, 2016 at SOS in Botany. The lecture was delivered by Prof. Akhilesh Tyagi, Director, NIPGR, New Delhi on “Rice Genome: Domestication and function”.



Lecture-IV

Dr. APJ Abdul Kalam lecture was organized on April 12, 2016 by SOS in Biotechnology. The lecture was delivered by Dr. M. R. Bhutiyan Director, Defense Terrain Research Laboratory, Delhi on Climate Change, its implications and mitigation strategies- “A Himalayan perspective”. Dr. Bhutiyan appeal the youths for formulation of certain mitigation strategies

to combat climate change in NW Himalayas which are now being implemented on ground. Prof. R.J. Rao, Rector, Jiwaji University has presided over the function.

Extension Activities

Functional Food products development and sale under ‘Earn while you learn program’

In order to inculcate and promote entrepreneurial skills among students, the Centre for Food Technology Jiwaji University participated in the fair organized by ‘Kitchen Garden Association’ Gwalior in the last week of February, 2016. The second semester students of M.Sc. Food technology had put up stalls displaying the products developed under ‘skill development program’. Various “FUNCTION FOODS” prepared in the department were put up and sold under “EARN WHILE YOU LEARN PROGRAM”. Mrs. Maya Singh, Hon’ble Cabinet Minister, Madhya Pradesh visited the stalls and tasted functional foods developed and displayed. The main highlight of University stall was the Nutritional ‘golguppas’ made up of whey which emerged as more healthy alternative to conventional “INDIAN CHAAT”.

Around 600 pictures were sold within 3 hours. Other highlights were herbal tea with anti diabetic functions and cereal based nutritional khakra. All items were sold in a single day. Besides these main attractions, some other calcium rich infant foods for up to 1 year old kids, protein rich biscuits, moringa leaf biscuits, flaxseed biscuits, fiber rich cookies etc. were also in good demand. All the products made were different from those available from the market. A separate stall was put up to educate public about the adulteration being done in the foods their effects and detection methods. Participation in the fair organized by ‘Kitchen Garden Association’ gave the students an opportunity to learn practical skills in marketing, interpersonal relationships, team work etc. and they also understood the concept of ‘Earn while you learn’ program. The students were actively guided by the visiting faculty of the Centre Ms. Sonali Saxena, Prof. Jyoti Prasad and Ms. Ekta Batra.



Research Grants

A Research Project entitled “Hyperspectral Remote Sensing for off road mobility” with financial support of Rs. 32.960 Lakh under the networked Project “Big Data Analytics –Hyper spectral Data (BDA-HSRS)” of Department of Science and Technology w.e.f. 18.3.2016 has been sanctioned to Prof. S.N. Mohapatra, School of studies in Geology.

An amount of Rs. 2 Lakh each has been allocated for research work out of the innovative research head of the UGC XIIth plan budget to 44 faculty members in different Schools of studies in the university. A total 100 research fellowships are sanctioned to the research scholars who are conducting Ph. D work in different departments in the university.

Publications (National and International)

Research Papers

- ❖ Manzoora, J., Mamta, Rao, R.J. and Khursheed Ahmad Wani. (2016): Health impact and noise exposure assessment in the cricket bat industry of Kashmir, India International Journal of Occupational safety and Ergonomics PP 1-7.
- ❖ Bisen, P.S., Khan, Z., Khan, N. and Prasad, GBKS. (2016): Oxaliplatin-mediated Inhibition of Survivin Increases Sensitivity of Head and Neck Squamous Cell Carcinoma Cell Lines to Paclitaxel. *Advances in Cancer Drug Targets* 3: 156-180.
- ❖ Khan, Z., Khan, A.A., Prasad, GBKS, Khan, N., Tiwari, R.P. and Bisen, P.S. (2016): Growth inhibition and chemo-radiosensitization of head and neck squamous cell carcinoma (HNSCC) by Survivin-siRNA lentivirus treatment. *Radiotherapy and Oncology* 118: 359-368.
- ❖ Zacharia Anish Joseph, Anubhav Jain, Ruchika Raghuvanshi, Ajay Kumar, Prasad, GBKS., Bisen, P.S. (2016): Gas chromatography and Mass spectroscopy based detection of autoinducer-2 like molecule in the circulation of tuberculosis infected cases. *Journal of Respiratory Research* 2 (1): 49-52.
- ❖ Krishna, P., Jain, A. and Bisen, P.S. (2016): Analysis of sputum microbiota associated with pulmonary 3 tuberculosis patients’ reveal significant geographical distinctions. *European Journal of Clinical Microbiology & Infectious Diseases* DOI 10.1007/s10096-016-2654-4.
- ❖ Bisen, P.S. (2016): Therapeutic and Preventive Potential of Functional Food and Cancer. *Cancer Med Anticancer Drug* 1: e101. doi: 10.4172/cmcd.1000e101.
- ❖ Bhagyawant, S.S. (2016): RAPD-SCAR Markers: An interface tool for authentication of traits; Journal of Biosciences and Medicines, 4: 1-9. doi.org/10.4236/jbm.2016.41001.
- ❖ Yadav, P., Koul, K.K., Shrivastava, N., Mendaki, M.J. and Bhagyawant, S.S. (2016): ITS-PCR deciphers molecular phylogeny in chickpea; Plant Biosystems (Taylor & Francis).doi.org/10.1080/11263504.2016.1179694
- ❖ Gupta, N., Srivastava, N., Singh, P.K., and Bhagyawant, S. S. (2016): Phytochemical evaluation of mothbean (*Vigna aconitifolia* L.) seeds and their divergence. *Biochemistry Research International*. doi.org/10.1155/2016/3136043.
- ❖ Singh, P.K., Shrivastava, N., Chaturvedi, K. and Bhagyawant, S.S. (2016): Characterization of seed storage proteins from chickpea using 2D electrophoresis coupled with mass spectrometry. *Biochemistry Research International* (Hindawi) doi.org/10.1155/2016/1049462.
- ❖ Meshram, A., Srivastava, N. and Bhagyawant, S.S. (2016): Identification of phytoconstituents present in *Epipremnum aureum* (Linden and Andre) G. S. bunting by GC-MS. *IJLSR; 2(3): 45-51* doi. 10.13040/IJPSR.0975-8232.
- ❖ Gautam, S. Bhagyawant, S.S. and Srivastava, N. (2016): Growth and non-enzymatic antioxidative studies in *in-vitro* grown safflower (*cv. A-1*) seedlings under copper stress. *International Journal of Life Sciences and Review IJLSR*. 2(3).52-60 doi: 10.13040/IJPSR.0975-8232.
- ❖ Mohapatra, S.N. (2016): Detection and analysis of badlands dynamics in the Chambal River Valley (India), the last 40 (1971–2010) years. *Environ. Earth. Science* (Springer) DOI 10.1007/s 12665- 015-5017-(with V.Ranga, J. Poesen, A. Van Rompaey, &P.Pani).
- ❖ Yadav, P. Koul, K.K. Shrivastava, N. Mendaki, M.J. and Bhagyawant, S.S. (2016). ITS-PCR deciphers molecular phylogeny in chickpea. *Plant Biosystems*.
- ❖ Singh, M., Mohapatra, S.N. and Sharma, M. (2016): Normalised difference water index based water surface area delineation and assessment, *International Journal of Environmental Sciences*, 6 (5): 634-645.
- ❖ Khan, Z., Khan, N., Verma, A.K., Tiwari, R.P., Mouhamad, S., Prasad, G.B.K.S. and Bisen P.S. (2016): Oxaliplatin-mediated inhibition of surviving increases sensitivity of head and neck squamous cell carcinoma cell lines to paclitaxel. *Advances in Cancer Drug Targets*, 3:156-180.
- ❖ Gurjar, K.S. (2016): Certical analysis of Performance of Indian Male and Female Athletes at Comman wealth and Asian Games Till 2012, arts and Science in Vol. 7 issues 4.
- ❖ Dixit, A., Jain, A.K., Tailang, M. (2016): Phytochemical Analysis of Wrightia Tinctoria RBR through LC-MC. *World J. Pharm. Res.*, 5(4): 1424-1430.
- ❖ Shrivastava, S. Jadon, N. and Jain, R. (2016): Next Generation Polymer Nano composite based electrochemical sensors and biosensors. *A Review Trends in Analytical Chemistry*, 82:55-67.
- ❖ Sharma, S., Gupta, M., Bhaduria, R. and Bajpai, S.P. (2016): Biodeterioration of therapeutically important phyto constituents and Nutrients of Stored Triphala Powder by Associated Fungal species. *Journal of Pharmaceutical Sciences and Research*, 8(5):279-288.
- ❖ Waikhom, P., Jain, R. and Tegar, S. (2016): Sensitivity and stability analysis of delayed stochastic epidemic model

with temperature gradient. *Modelling Earth Systems and Environment*, 2:1-18.

- ❖ Chaturvedi, A.M., Gupta, S.K. (2016): Design pattern detection using genetic algorithm, sub-graph isomorphism to enhance software reusability. *International Journal of Computer Applications*, 135(4):33-36.
- ❖ Sikarwar, B., Sharma, P.K., Tripathi, B.K., Bopathi, M., Sing, B. and Jaiswal, Y.K. (2016): Enzyme Based Electrochemical Biosensor for Ethanolamine. *Electroanalysis*, 28(4):881-889.
- ❖ Shrotriya, V. and Rajaram, P. (2016): Nanocrystalline CuLnSSe thin films by chemical bath deposition technique. *AIP Conference Proceeding*, 1728pp.
- ❖ Poojary, S.S. and Tiwari, P.K. (2016): Manitaning the Telomere and its Implication in Cancer. *Current Science India*.
- ❖ Mohapatra S.N. (2016): Normalised difference water index based water surface area delineation and assessment *IJES*, Vol.6 No.5 pp. 634-645 (with Mohit Singh and Monika Sharma) ISSN 0976-4402.
- ❖ Yadav, D., Reshi, M.S., Shrivastava, S., Srivastava, N. Naryana, S.K.K. Shukla, S. (2016): Macro-Microscopic evaluation, physicochemical analysis and HPTLC Finger printing of *Curculigo orchiodides* Gaertn. Rhizome. *Pharmacogn.Journal*;8(5),430-434.
- ❖ Gautam, J.N. (2016): Marching Toward Excellence in Education: Librarian's Horizon. *University News*, 54(21): 3-6.

Books

- ❖ Sameer, S. Bhagyawant and Nidhi Srivastava, *Plant Biotechnology* ISBN:- 978-93-84044-81-7

Distinguished Visitors

Dr. Shashi Bala Singh, Director, Defense Institute of Physiology & Allied Sciences (DIPAS), New Delhi has visited School of Studies in Biotechnology. Prof. D.P Kuity, (Retd.) Pt. R.S. University, Raipur visited School of Studies in Earth Sciences, under the UGC Visiting Professor Scheme from 16.3.16 to 28.3.16.

Faculty Corner

Dr. Sameer S. Bhagyawant, SOS in Biotechnology participated in DBT sponsored NER- Hands on Training Workshop on "Basic & Advanced Immunological Techniques" organized by Advanced Centre for treatment Research and Education Centre (ACTREC), Mumbai during January 18-22, 2016. Dr. P.K. Jain, SOS in Earth Science participated in Technical Teachers Training Programme under the faculty Programme in entrepreneurship Training Programme organized by MITS College, Gwalior from 2.01.2016 to 14.01.2016

Dr. P.K. Jain participated in the Brain storming session on 'Integrated study for exploration of the natural resources to the advancement and growth of under privileged region of Bundelkhand' under NRDMS Scheme of DST from 10-11

March 2016 at Department of Geology Bundelkhand University Jhansi Uttar Pradesh.

Students Corner

In the National Science day celebrations, students were given awards. Two groups participated in the quiz competition and First, Second and Third Prize were awarded in both the groups.

Following students won the prize:

Essay Competition

- I Prize Ms. Richa Arya, SOS in Biotechnology, Jiwaji University
- II Prize Ms Poorvi. Saxena, KRG College, Gwalior
- III Prize Ms. Tyasha Sarkar, SOS in Neuroscience & Ms. Ghausiya Rehman, SOS in Biochemistry, Jiwaji University

Debate Competition

- One Prize Twinkle Biswas, SOS in Biotechnology, Jiwaji University, Gwalior

Poster Presentation Competition

- I Prize Dr Maya Kushwah, Barktullah University, Bhopal
- II Prize Shambhavi Khare, Surbhi Gupta, Neha Jain, Harshi Gupta, Sonam Gupta, Poorvi Saxena, KRG College, Gwalior
- III Prize Manendra Singh and Naveen Singh, SOS in Biotechnology, Jiwaji University, Gwalior
- Nainsi Gupta, SOS in ICA, Jiwaji University, Gwalior

Quiz Competition

Category A

- I Prize PriyaShram, Nivedita Pathak, BIMR College, Gwalior
- II Prize Rinki Sharma, Poirtri Darang, BIMR College, Gwalior
- III Prize Neha Yadav, Pragya Bajaj, BIMR College, Gwalior

Category B

- I Prize Upendra, Twinkle, Manendra and Varsha, SOS in Biotechnology, JU, Gwalior
- II Prize Naveen, Noopur, Richa and Shubhangini, SOS in Biotechnology, JU, Gwalior
- III Prize Gaurav, Akash, Ghausiya and Kriti, SOS in Biotechnology, JU, Gwalior
- The prize distribution was done in valedictory function where Prof U.C. Singh, Retired Professor, SOS in Earth Sciences, Jiwaji University, was the Chief Guest and Prof. O. P. Agrawal, SOS in Zoology was the Guest of Honor,

and Prof Sangeeta Shukla, Hon'ble Vice-Chancellor, presided over the function.

Essay Competition

- 1st Prize Ms. Richa Arya, SOS in Biotechnology, Jiwaji University

Debate Competition

- Twinkle Biswas, SOS in Biotechnology, Jiwaji University

Poster Presentation Competition

- III Prize Manendra Singh and Naveen Singh, SOS in Biotechnology, Jiwaji University
- Mr. Mahipal Singh Solanki research scholar under the supervision of Prof. S.N.Mohapatra participated in the workshop on Water Revolution Vision -2050. organised by Department of Geology, Govt. Holker Science College, Indore (M.P.) on 4th -5th March, 2016. He presented a poster on focal theme and awarded III prize.

University Developments/ Projects/ Initiatives

Jiwaji University has initiated some major developments over the campus vis-à-vis infrastructural and academic developments. Hon'ble Vice-Chancellor, Prof. Sangeeta Shukla took major steps for strengthening academic endeavors.

Central Instrumentation Facility

Dr. V. M. Katoch, Former Director General, ICMR, New Delhi inaugurated CIF facility at Jiwaji University, Gwalior on 31 January, 2016.

University App

Jiwaji University started mobile app in the best interest of students. This app will entail all updates to students time to time. This includes examination schedule, lectures, attendance and seminars etc.

E -Rickshaw facility

E-Rickshaw facility in Jiwaji University Campus was inaugurated by Hon'ble Vice-Chancellor Prof. Sangeeta Shukla. Since Prof Shukla took over charge as Vice Chancellor of Jiwaji University, she is making all efforts to make the university campus pollution free and the E-Rickshaw facility inside the university campus is parts of this drive. State Bank of India, City centre branch Gwalior has donated this E-Rickshaw to Jiwaji University. Handing over the keys to Hon'ble Vice-Chancellor, D.G.M. State Bank of India, Jamuna Lohiya appreciated the efforts of Jiwaji University in providing a pollution free environment to students. Speaking on the occasion Prof. Shukla said, E-Rickshaw facility will be available for physically challenged and senior citizens on all working days whereas visitors, faculty members and students can avail this facility on no vehicle Days in University i.e. second and fourth Monday of every month.



Foundation Stones

Shri Narendra Singh Tomar, Union Minister of Steel, Mines, Labour and Employment in the Central Government and **Smt. Maya Singh Cabinet Minister of Women and Child Development**, State government, Bhopal visited Jiwaji University Campus on 7 April, 2016. Honorable Ministers laid foundation stones at a ceremony to mark the foundation of new buildings. They inaugurated:

- 1) Employees residential quarters
- 2) Gyan Path
- 3) Girls hostel building (extension)
- 4) Swimming pool
- 5) APJ Abdul Kalam CIF building
- 6) Azad park





This is the largest happening that has taken over at a time in the history of Jiwaji University. All staff members appreciated the efforts taken over for such developments over the campus. They all congratulated Hon'ble Vice-Chancellor Prof. Sangeeta Shukla for her tireless hard work and dedication. Equally the Jiwaji University family congratulated Prof. R.J. Rao, Rector and Prof. Anand Mishra, Registrar, Jiwaji University, Gwalior for this occasion and making this event a success. Moreover, **Shri Narendra Singh Tomar**, the Union Minister approved 05 Crores grant for Multi Arts Complex from Member of Parliament fund.

Appointment

Prof. Ashwini Kumar Srivastava, School of studies in Physics assumed charge of Controller of Examination, Jiwaji University, Gwalior as designated by Ministry of higher of education, Bhopal. Prof. Srivastava taken over this responsibility on 1st April, 2016.



Patron: **Prof. Sangeeta Shukla**

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JIWAJI UNIVERSITY, GWALIOR

Annual Calendar of Co-curricular Activities - 2016

Sr. No	Programme	SOS/Centre	Organizer	Tentative dates
January 2016				
1	Bharat Ratna Abdul Kalam lecture series Inaugural lecture: Dr. V.M. Katoch, Ex. Director General, ICMR, New Delhi	Biochemistry	Prof. G.B.K.S. Prasad	30 January
February 2016				
1	28 th Annual Conference of GAMS and symposium on mathematics in real life problems with special reference to life science	SOS in Mathematics	Prof. Renu Jain	5-7 February
2	National Workshop on Library Automation and Content management using open source software	Library Science	Prof. J.N. Gautam	11-15 February
3	Bharat Ratna Abdul Kalam lecture series No. 2 DIPA Director	Microbiology	Prof. M.K. Gupta	20 February
4	Workshop on Research Methodology	Commerce & Business Studies	Prof. K.S. Thakur	21 Feb- 1 March
5	Fourth Northern Regional Social Science Congress	Political Science	Prof. A.P.S. Chouhan	25 - 27 February
6	Recent prospective of Environmental Sciences & Sustainable development	Environmental Sciences	Dr. H.K. Sharma	26 - 27 February
7	National Science Day	Biochemistry	Prof. Nalini Shrivastava	28 February
March 2016				
1	Second National Conference on Recent Advances in Zoology	SOS in Zoology	Prof. R.J. Rao	1-2 March
2	6 th DBT-Sponsored hand's on training workshop on methods in Epigenetic analysis of Complex Diseases	MHG	Prof. P.K. Tiwari	1 -21 March
3	National Conference on Neuroscience	Neuroscience	Prof. I.K. Patro	3-4 March
4	National Seminar on Mass media & Human Right laws in India: A Time to review	Centre for Journalism & Mass Communication	Dr. R.G. Garg	5-6 March
5	International Women's Day	SHAW Cell	Prof. Rekha Bhadoria	8 March
6	Bharat Ratna Abdul Kalam lecture series No. 3	Botany	Prof. R.M. Agarwal	12 March
7	National Seminar on Global Issues, challenges and opportunities in tourism and hospitality sector	SOS in Tourism and Travel Management	Prof. R.A. Sharma	12-13 March
8	National Workshop on 'Wildlife Research Methodology	SOS Zoology	Prof. R.J. Rao	14 -15 March
9	Entrepreneurship skill development for Youth and Women in Science & Technology	Entrepreneurship Development Cell	Prof.G.B.K.S. Prasad	14 - 19 March
10	"National Conference on Integral Approaches in Yogic Sciences and Health"	Centre for Yogic Sciences	Dr. K.S. Gurjar	19 - 20 March
April 2016				
1	International Yoga day activities Seminar on Yoga: 1 Role of Yoga in prevention and management of life style disorders	Centre for Yogic Sciences & SOS Biochemistry	Dr. K.S. Gurjar Prof. G.B.K.S. Prasad	4-5 April
2	Bharat Ratna Abdul Kalam lecture series No. 4 Director, DTRL, New Delhi	Biotechnology	Dr. S. Bhagyawant	9 April
3	"Fourth Alumni Meet and National Conference on Recent Trends in Industrial Chemistry"	CSM & Industrial Chemistry	Prof. S.K. Gupta	16-18 April
4	FDP on Research Methodology	SOS in Management	Prof. Yogesh Upadhyay	18-23 April
5	Personality Development & Communication skills	Career Counseling Cell.	Prof. G.B.K.S. Prasad	26-30 April
May 2016				
1	Bharat Ratna Abdul Kalam lecture series No. 5 Director, DRDE	SOS Chemistry	Prof. Radha Tomar	14 May
2	Medicinal Plants status & Conservation	Institute of Ethnobiology	Prof. A.K. Jain	19 May
3	University Foundation day Celebrations	Administrative block	Prof. R.J. Rao	22-23 May
4	Lectures of Management Gurus	SOS in Management	Prof. Yogesh Upadhyay	30 May
June 2016				
1	World Environment Day activities	SOS Environmental Sciences	Prof. O.P. Agarwal	5 June
2	Bharat Ratna Abdul Kalam lecture series No. 6 Director, National JALMA Inst. For Leprosy & Other Mycobacterial diseases	MHG	Prof. P.K. Tiwari	11 June
3	GIAN course- X-ray structure determination	SOS Chemistry	Prof. S.K. Gupta	13-26 June
4	International Yoga Day	Center for Yogic Science	Dr. K.S. Gurjar	21 June
5	Biodeterioration of cultural property: Conservation & Sustenance	Institute of Ethnobiology	Prof. A.K. Jain	25 June
July 2016				
1	Bharat Ratna Abdul Kalam lecture series No. 7 by Eminent person in Economics	SOS Economics	Prof. S.K. Shukla	9 July
2	Lectures of Management Gurus	SOS in Management	Prof. Yogesh Upadhyay	23 July
August 2016				
1	"NAAC Awareness Workshop on Assessment & Accreditation"	IQAC,	Prof. S.K. Gupta,	12 Aug.-1 Sept
2	Bharat Ratna Abdul Kalam lecture series No. 8 Eminent person in Politics	SOS Political Science	Prof. A.P.S. Chauhan	13 August
3	Conference on Jyotirvigyan	Centre for Jyotirvigyan	Dr. D.C. Gupta	20 August
4	Lectures of Management Gurus	SOS in Management	Prof. Yogesh Upadhyay	27 August
September 2016				
1	National Seminar on Woman protection in working place	Institute of Law	Prof. S. Kulshreshita	6 September
2	Bharat Ratna Abdul Kalam lecture series No. 9 by Eminent person in Management	SOS Management	Prof. Yogesh Upadhyay	10 September
3	Legal camp on Awareness for Woman's rights	Institute of Law	Prof. S. Kulshreshita	14 September
4	Legal literacy camp	Institute of Law	Prof. S. Kulshreshita	22 September
5	International seminar on Commerce & Business Studies	Commerce & Business Studies	Prof. K.S. Thakur	24 September
6	Seminar on preclinical studies of drugs (World Pharmacy Day)	Institute of Pharmacy	Prof. Suman Jain & Dr. Manoj Sharma	25 September
7	World Tourism Day	Travel & Tourism Mgmt.	Prof. R.A. Sharma	27 September
October 2016				
1	Wildlife Week activities	SOS in Zoology	Prof. R.J. Rao	1- 7 October
2	Swachh Bharat Abhiyan	Administration	Engineering Section	2 October
3	Bharat Ratna Abdul Kalam lecture series No. 10 by Eminent person in Molecular & Human Genetics	MHG	Prof. P.K. Tiwari	8 October
4	World Food Day activities: 1. Food festival, 2. Seminar on 'Therapeutic foods'	Centre for Food Technology	Prof. G.B.K.S. Prasad	14 -16 October
5	Lectures of Management Gurus	SOS in Management	Prof. Yogesh Upadhyay	22 October
6	Workshop on Functions and Applications of Transmission Electron Microscope	SOS in Physics	Prof. P. Rajaram	24 October
November 2016				
1	World Diabetes day activities Holistic approach in management of diabetes mellitus (International Conference) Global diabetes walk	SOS Biochemistry & Centre for Translational Research	Prof. G.B.K.S. Prasad	12-14 November
2	Bharat Ratna Abdul Kalam lecture series No. 11 By Eminent person in Neuroscience	Neuroscience	Prof. I.K. Patro	12 November
3	Prof. R.R. Das Memorial Lecture	SOS in Botany	Prof. R.M. Agrawal	16 November
4	International Conference on Toxicology - Frontiers in Toxicology and Trace Elements Research: Future prospects	SOS in Pharmaceutical Science	Prof. Nalini Shrivastava & Prof. Suman Jain	17-19 November
5	FDP on Research Methodology	SOS in Management	Prof. Yogesh Upadhyay	21-26 November
December 2016				
1	Bharat Ratna Abdul Kalam lecture series No. 12 by Eminent person in Physical Sciences	SOS Mathematics	Prof. Renu Jain	10 December
2	40 th All India Cell biology conference & International symposium on functional genomics & Epigenomics	Zoology/MHG/ Neuroscience	Prof. P.K. Tiwari	22-24 December
3	Lectures of Management Gurus	SOS in Management	Prof. Yogesh Upadhyay	24 December