



# BANASTHALI VIDYAPITH

(Notified Under Section 3 of the UGC Act)

*University for women: University with a difference*



# Annual Report

2017-18

Internal Quality Assurance Cell (IQAC), Banasthali Vidyapith,  
Banasthali, Dist. Tonk – 304022

[www.banasthali.org](http://www.banasthali.org)

# Message from the Coordinator

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Banasthali Vidyapith is a premier university for women's education nurturing leaders for more than eight decades. It is so inspiring for anyone in the world to see the growth story of the university that commenced in 1935 when Smt. Ratan Shastri and Pt. Hiralal Shastri decided to train other's daughters in the same way they would have trained their own multitalented daughter. The unmatched growth of the institution is appreciated by all stakeholders and its quality sustenance is a benchmark for other educational institutions across the world.

I am very happy to share this annual report of IQAC, Banasthali Vidyapith which has been prepared with co-operation of IQAC members, faculty members and staff.

The report captures significant achievements of students in various activities organized at different levels. It is heartening to note that various departments of Vidyapith organized many programmes for all round enrichment of faculty members and students. All these tremendous efforts of students and staff members brought accolades to the institution. One of the major areas of faculty outcomes is research and I am pleased to share that the last academic year has witnessed a large number of quality publications from the Vidyapith. So, let us continue to work in this spirit and demonstrate the best of institutional citizenship .

Prof. Harsh Purohit,  
Coordinator, IQAC,  
Banasthali Vidyapith.  
Email: deanwisdom@banasthali.in

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## 1.Students' Achievements

Ms. Vaishali, B.A.LL.B. VIII Semester participated in the IMUN (UPES, Dehradun 5th International Model United Nation 2018) and won the Best Delegate and Campus Ambassador Award.



Banasthali Vdiyapith Model United Nation 2018 was organized by Women Studies & Research Centre on 12.02.2018 to 13.02.2018 in which Ms. Megha Sabnani, BBA.LL.B. IV Year was declared the best Delegate, Ms. Pragya Garg, B.Com.LL.B. III Year and Ms. Deepshikha B.A.LL.B. II Year were declared for High Commendation award while Special Mention award was given to Ms. Dixita B.A.LL.B II Year.

Ms Akhya Bajpai, student of B.Tech. IT (II year) represented Banasthali Vidyapith in the 44th Kamal Nayan Bajaj All India Inter University Elocution Competition. This elite annual competition was organised by Shiksha Mandal, Wardha on January 22-23, 2018. By winning first place in this prestigious national competition wherein over 40 contestants participated from different universities, Akhya Bajpai kept the flag of literary team of Banasthali, flying high. Her speech on 'Modernity and Tradition' was widely lauded both by the judges and the audience. Akhya Bajpai was given a cheque of Rs 15,000 as prize money and was felicitated with a certificate of merit.

The moot court team of students of BA LLB (sixth semester) was adjudged as the runners up team at 10th Amity National Moot-Court Competition, Lucknow. The team won a cash prize and one year of SCC online subscription.



Doing Banasthali Vidyapith proud, four PG students, namely Ms. Sakshi Sharma, Ms. Vaishali, Ms. Soumya and Ms. Poonam, from Department of Mathematics & Statistics have achieved top ranks in the Indian Statistical Services Examination, 2017, the examination for highest administrative posts in Statistics in India.

Banasthalite Ms. Seema Singh is a Nutritionist in Mumbai. Recently she received “Best Nutritionist” Award at the Prestigious CNBC-TV18 INDIA HEALTHCARE & WELLNESS AWRDS in Association with ICICI Lombard for 2017-18, on 21st June 2018 at Grand Hyatt, Santacruz, Mumbai.



Preeti Sharma Mehta (MBA 1998 Batch) is working with the Renal Department and dares to do skydiving (freefall 10,000 ft) to support the area of Portsmouth Hospitals.



Unnati Gupta, MBA from Banasthali Vidyapith is an Asst. Professor in Prestige Institute of Management, Gwalior and specializes in subjects like strategic Management and Marketing Management. She has a profound interest in deriving theories of management through ancient Indian mythologies, hosts corporate and political programmes at city level and is also an Independent Anchor, in Doordarshan MP. She recently wrote a book ‘Relics of Indian Culture: Part One: Purushartha’.

Ms. Drishti Rawal, final year student of B.A.LL.B. was selected for an internship at the International Law Commission, United Nations and in pursuance of the same she visited the United Nations Headquarters at New York ( USA) in the month of May, 2018. After undergoing a rigorous procedure of selection consequently she got the opportunity to intern under the tutelage of Dr. Aniruddha Rajput, Member, International Law Commission, United Nations. The entire duration of internship offered to her a chance to learn the intricacies of various pertinent concepts of international law and the mechanisms of comprehensive legal drafting. The selection for this prestige internship is very tough and Vidyapith family congratulates Ms. Drishti Rawal for her wonderful performance.



Five of MBA II semester students of Banasthali Vidyapith: Sakshi Gupta, Ranjana, Aishwarya, Megha Rautan and Riddhi have been selected for Young Women in Investment CFA Institute. 'Young Women in Investment' is an initiative to create awareness about, instill interest in and enable women to view the investment management industry as a viable long-term career option.



## 2.Glimpses of Activities of Departments

The department of Mathematics & Statistics celebrated National Mathematics Day on the 130th birthday of Ramanujan on December 22 wherein a workshop on Vedic Mathematics for Arithmetical Computations was organised. On the same day a College Level Mathematics Talent Hunt in Rajasthan (CMTR-2017) for graduate students was organized by the Rajasthan Ganit Parishad wherein more than 150 undergraduate students appeared.

The Bharitya yantra, a Robotics event organized by Bajaj School of Automation, sponsored by TAL Manufacturing Solution Ltd. is a unique step to gather the enthusiastic students from different streams and levels and house them in an inspiring environment, urging them for innovative ideas in different domains of robotics. In the series of robotics events, first event Poster Presentation was inaugurated by Prof. G.N. Purohit. The 372 participants in 4 groups were given different topics for poster making. Dean, Prof. Shailly Sharma, encouraged the students towards robotics and voted thanks to team of Bharitya yantra, judges and participants. The second event 'Robot making and Robo Race' was organized on 8 October 2017. The 13 groups participated with their different types of robot as like 5 link manipulator of hydraulic actuated, line follower, obstacle avoidance robots, wall-e robot, humanoid lagged robot, etc. The different types of applications were presented to show the robotic application in different domain. A robotic bee made by fifth standard students was specially appreciated.

A Fire-fighting training event has been carried out at BVGFC maintenance Hangar, School of Aviation premises on 21st Dec 2017. The live demonstration on fire training was conducted Mr Shailesh Gupta from Sai Safety Services, Jaipur in presence of Dean, Banasthali School of Aviation, Prof. Seema Verma. The Fire-fighting training has been organized by BVGFC for continuous training and learning of all engineering staff, operation staff and students. The basic introduction on fire-fighting training and its importance was initiated by Ms. Micky Sinha (Quality Manager, BVGFC).

The Memorandum of Understanding (MOU) is signed between Indian Aviation Academy, the joint training academy of Airports Authority of India (AAI), Director General of Civil Aviation (DGCA) and Bureau of Civil Aviation Security (BCAS) set up under the aegis of NIAMAR-Society and Banasthali Vidyapith, to establish a mutually beneficial strategic alliance, evolve and formalize a process of understanding and co-operation for development of human resource in the areas of education, training and research. The MoU has been jointly signed by Prof. (Dr.) Seema Verma, Dean, School of



Aviation, Banasthali Vidyapith & Dr. Dewakar Goel, Executive Director HR, Airport Authority of India on 30th November, 2017 at Indian Aviation Academy, New Delhi.

E-Cell at Banasthali Vidyapith supported by SBI was visited by Shri Shalabh Mittal, CEO of School for Social Entrepreneurs, on the date of November 19, 2017, for an interactive session with all the members of E-Cell.

A Two day workshop on 16-17 November about social entrepreneurship was conducted by Mr. Nitin Tailor founder and CEO of Serve Happiness Foundation and Ms Neha Kandalgaonkar, director of VIVAM solid waste management Pvt. Ltd. They enlightened the students about their journey, existing social problems and the difference every individual can make to it.

Ms. Daisy Tanwani, founder and CEO of Pinklay visited the campus on November 16, 2017 and had an interactive session organized by E-Cell at Banasthali Vidyapith supported by SBI. She not only shared her journey and her learnings with the students, but also instilled in them a belief that any goal is achievable if you work hard and believe in your dream.



As a mark to Science Day, on October 5, 2017, the Department of Education observed science exhibition, 'Fun with Experiment', with the objective of bringing hidden talents of students teachers as a part of training and with a focus of creating an atmosphere of science, technology and chemical wonders. The science student teachers displayed experiments on Removing of Coin without touching, Turning water into Blood, Turmeric Acid trick, Blood in Lemon, Magic through Plastic Bag, Cool Frame, Trick with Fire, Pepper as well as needle, Traveling of flame, Black snake, Fake Blood cutsand Magic with Ink.

In Department of Legal Studies, on 21January, 2018 a Guest lecture was delivered by Shri Anand Venkoba, Freelance Consultant, on 'Basics of Commercial Laws' in which he highlighted the importance of Commercial laws for Law students and explained some fundamental concepts inherent in Commercial laws like Indian Contract Act, 1872, Sale of Goods Act, 1930, Partnership Act, 1932 ,Company Act, 2013 etc.

On 18 January, 2018 students of B.Com., LL.B Fourth semester visited Civil Court at Newai under the supervision of Faculty members.



Departmental fest 'Nyayotsav' 2018 of Jamnalal Bajaj School of Legal Studies was inaugurated on 23 February, 2018 by Prof. Siddhartha Shastri, Vice President, Banasthali Vidyapith. Prof. Harsh Purohit, Dean, Faculty of Law, HoD Ms. Rashmi Singh Rana and all Faculty members were also present.



Nyayotsav 2018 proceeded with the Exhibition of various models, charts as well as drawings presented by Law students. The activities on 23 February continued with different academic events including Law as well as Non-law events. Students from several the departments took part in a number of non-law academic events such as-Poetry writing, Complete the story, Just a minute, etc. Law events included activities like Client counselling, Legal quiz and so on. The Fete along with a lot of entertaining music, various stalls including food stalls, clothing, shoes stall, special Jaipuri stall and a number of student stalls with lots and lots of variety and tasty food items, was a major attraction. The evening witnessed a beautiful combination of cultural performances full of different form of dances like Garba, Punjabi, Western, Modern kathak, international dance forms and dance drama- Amrit Manthan with a melodious singing performance as well.

Atal Incubation Centre (AIC) at Banasthali Vidyapith has been established with support from Atal Innovation Mission, NITI Aayog, with the vision of empowering women through entrepreneurship. AIC Banasthali is one of its kind incubation centres in India focussing on women-led startups and provides access to world-class labs, modern equipment, huge mentor & industry network, funding opportunities and state of the art operating facilities.



AIC Banasthali Vidyapith offers customised support to women-led startups providing a conducive environment for them to grow. Its programs include: Women Entrepreneur Sprint (WE Sprint), an accelerator program for fledging startups who are looking for capital, mentoring and structural resources to scale up. Startups will be provided support for the further development of MVP, designing marketing strategies, prospective scale-up plans, getting funding support and best mentors from the industry. WOMENPreneur is an Incubation Program for aspiring women entrepreneurs that aims to facilitate the creation of a community of innovators, entrepreneurs, investors, grant bodies and mentoring support. The incubation program seeks to nurture start-ups at all stages including student start-ups.

Both the programs received a huge number of applications from across India which further highlighted the need for women-centric incubation centres.

The first Diagnostic Panel under WE Sprint Accelerator Program ended with a lot of drills down on business models and valuable feedback from investors and mentors. 9 Women-Led startups from across the country participated in the program and presented their ventures followed by a detailed discussion on their business models. The full-day event ended with a lot of excitement, reviews and networking.



Being aware of the fact that women face different challenges while venturing into the startup space, AIC Banasthali is also developing a women-friendly culture and creating a women entrepreneurs' network for facilitating collaboration among women entrepreneurs from different walks of life.





A panel discussion was organised on 'Challenges in Scaling up of Women-led Startups' at Indian Institute of Crafts and Design, Jaipur on 24 January 2018. Enthusiastic Women Entrepreneurs were invited to get insights from experienced Panelists who fought various challenges in the past and are now successfully running their enterprise.



On the occasion of National Science Day, the Department of Physucs celebrated science festival on 24-25 February, 2018, with lot of vibrancy, remembering work of the Dr. C.V.Raman for his contribution to the discovery of the Raman Effect. Prof P.K. Dubey, Former Head, Deptt. Of Physics, P.M.B Gujrati Science College, Indore, Prof. G.N. Purohit, Former Dean, AIM & ACT Department and Prof. Vinay Sharma, Dean, Faculty of Life Sciences, inaugurated the program and motivated the intellectual minds who displayed poster on 'Physics' as well as working and non-working models giving a practical approach to the event. The objective of the event was to create awareness about the benefits of science to mankind and also to help develop rational thinking and science temper in our young generation. 25 February events included speech by Dr. Parvez Ahmed Alvi,

Prof P.K. Dubey's talk on 'Basic Science', scientific talks by students on topics like Gravitational waves and LIGO detectors, how a blind can see, Li-Fi, hyper loop trains, etc. Truly said hard work pays off the intellectual minds were presented with consolation prizes. Dr. Saral Kumar Gupta delivered the vote of thanks.

On 20 January 2018, School of Earth Sciences organized a guest lecture by Prof. Elisabeth Schlemmer from University of Education, Weingarten, Germany. She gave an inspiring lecture on 'Demographic changes and changing educational patterns in Germany'. She discussed several aspects related to demography in Germany, including birth rate in Germany, Birth rate in India, Male-female population, School system in Germany and comparative analysis of Germany and India regarding all these aspects. She also highlighted the importance of education in controlling explosive population growth.

On March 8, 2018, the Women's Studies & Research Centre celebrated International Women's Day by organizing Jagriti-2018 under which literary and cultural programmes were held. Events like special movie screening and gender sensitization for women workers of Anupcharik Mahila Shiksha Kendra, documentary screening and discussion, self-composed poetry and recitation, dumb charade, just-a-minute were conducted in order to celebrate women's power and thus instill among them confidence, impart knowledge of important women's issues.

The Department of Journalism and Mass Communication observed World Nature Conservation Day on July 28, 2017. The first-year students of B.A. (JMC) showcased Nature is the Art of God that needs to be conserved through a skit titled 'Dharti Maa Ki Kahani Khud Dharti Maa Ki Jubani' on World Nature



Conservation Day on July 28, 2017. The students portrayed a wonderful journey of mother earth by showcasing series of stages of earth from year 1975 to 2017. The event was coordinated by Ms. Umang Gupta, Assistant Professor. HoD Shri Lokesh Sharma appreciated the students for their dedication and wonderful performance.

A one-day workshop was organized on August 21, 2017 for (BA) JMC V semester students to comprehend the key skills of TV News Production. Mr. Sanjay Singh, Channel Producer, IBA News, Jaipur shed light on the essentials of TV news production as well as highlighted the importance of PCR, MCR, Studio Operations and offline, online production in a TV Channel. The event was coordinated by Mr. Gajanan, Assistant Professor.

The Innovative Chemical Engineers' ICE Club welcomed the Chemical Engineering students on July, 24 2017. This was followed by E-Lamp lighting to a thunderous applause by HoD Prof Satish Shukla, Prof BR Natarajan. After the history of chemical engineering video presentation, faculty Ms Meenakshi anchored a slideshow and gave an overview of the Chemical Engineers who changed the world including Chemical Engineers who won Nobel Prize. Invited Guest Process Engineer to Project Engineer to Product Marketing Engineer Ms Deepika Thiagarajan from Billion Dollar Company S&C Electric Chicago USA over video conferencing congratulated the girls for choosing Chemical branch at Banasthali and highlighted her own journey in life as chemical engineer.

The 50th Engineers' Day Celebrations on 15 Sep 2017 included inspiring message by Mr GK Pillai Managing Director CEO Walchandnagar Industries Pune, a motivational poem from Mr Sunit Rikhi Founder Reach for Infinity LLC and Retd Vice President Intel Corp USA and display



of Ebike Glyd with a tele address by Rahil Rupawala Founder of Light Speed Bikes from Ahmedabad. Miss Shivangi third year Computer Science, Miss Saumya Verma third year Electronics and Instrumentation, Miss Surbhi third year Biotechnology, Miss Simran Duggal third year Electrical and Electronics, Miss Shambhavi Sharma third year Chemical, Miss Himangi Bansal second year Electronics and Communication, Miss Pooja Yadav second year Mechatronics and Miss Sakshi Gaur second year Aviation shared their thoughts on the theme Role of Engineers in a Developing India from their discipline point of view.

School of Earth Sciences celebrated the National Remote Sensing Day on 12 August, 2017, commemorating anniversary celebration of Dr. Vikram Sarabhai. Guest speaker Er. Binay Singh, Scientist, BIT, Jaipur, gave insights on the basics of remote sensing, GIS and its applications on earth science. He also gave an overview of various satellite datasets using the software available with school of earth sciences. Interpretation of different satellite products were performed by students and faculty members. Students from M.Tech (Remote Sensing), M.A. (Geography), M.Sc. (Geology) and M.Sc. (Environmental Sciences) along with faculty members brainstormed various aspects and applications of remote sensing with different satellite products and gained exposure to the very high resolution remote sensing satellite imageries.



National Workshop on 'Well Being and Happiness' was organized by Faculty of Home Science, (July 9 to 15, 2017). Pro-Vice Chancellor, Prof. Ina Shastri inaugurated the event. The speakers included Dr Sangeeta A Khurana, Co-founder and Director, THOTS, Psycho-somatic Therapist, Gurugram; Ms. Mehak Arora, Founder, Resonate Psychological Services, Gurugram; Ms. Kirti Khurana, Psychologist and Clinical Hypnotherapist, Ghaziabad; Dr. Kavita Bhargava, Director, ITFD School of Mind Sciences, Jaipur; etc., who focused on happy and healthy lifestyle but also showed the approaches for promoting physical, mental, emotional, financial, aesthetic and spiritual well-being.

A National workshop on 'Frontiers and Advances in Science and Technology' was organized in Physics Department during July 23-August 19, 2017. Eminent professors and scientists from various reputed universities and research laboratories shared their ideas about teaching and research methodology. A field visit to Bisalpur Dam was also organized where the participants gained knowledge about water supply, drinking water purification system and irrigation canals.

An FDP from July 28 - August 3, 2017 was conducted on 'Contemporary Applications and Opportunities in Research and Technology', to explore theoretical and experimental frame works in the area of basic science and technology. Prof. G.N. Purohit, Dean, AIM & ACT, focused on qualitative research and research methodologies. Speakers included Dr. (Prof.) Ranjan Maheshwari (RTU, Kota), Dr. Rajesh Kumar (MNIT, Jaipur), Dr. Ankush Jain (CEERI, Pilani), Dr. Y.K. Vijay (VGU, Jaipur), Dr. Om Prakash Sharma (Poornima University, Jaipur) and Dr. S.K. Jha (NSIT, New Delhi).

The School of Earth Sciences organized a FDP programme on 'Research Methodology: Tools & Techniques in Earth Sciences' during August 10-16, 2017. Convener Prof. Rashmi Sharma highlighted the significance of the theme. Prof. Santosh Shukla, MG Gaur University spoke on 'Dimensions of Research: Some issues', Prof. R. N. Mishra, University of Rajasthan delivered lectures on 'Sampling techniques and its applications' and 'Role of growth centers in integrated development planning of a region'. Er. Binay Singh, BIT, Jaipur covered the basics of remote sensing, GIS and its applications in earth sciences. Prof. Vibhuti Rai, University of Lucknow discussed methods and techniques for research in geology. Prof. Sudesh Nangia, JNU, New Delhi highlighted on how to apply for funding for research projects. Prof. M. K. Jat, MNIT, Jaipur, took a session on remote sensing and GIS. The program helped to enhance skills of the participants to use statistical techniques in geo-environmental research and to understand the approaches for development of high impact peer reviewed international journal articles and preparation for project proposals.



The Department of Economics facilitated a FDP in Applied Econometrics during September 9-15, 2017, aiming at providing an exposure to contemporary Time Series and Panel Data Techniques along with their applications. The program, meant for Faculty members of University, Colleges and Research Institutions teaching Economics, Statistics, Finance and Commerce, was attended by 31 participants from all over India. The sessions were conducted in lecture cum workshop mode. The participants were also provided hands on training using E-views package. They got opportunity to discuss various aspects of research with resource persons and fellow participants. Subject experts like Prof. Ashok Mittal, Aligarh Muslim University, Prof. Siddharth Shastri, Prof. Shalini Chandra, Banasthali Vidyapith, Prof. Joy Mukhopadhyay, University of Warwick delivered lectures during the program. The hands-on training sessions were conducted by the economists from National Institute of Public Finance and Policy.

The Department of Political Science & Public Administration organized a FDP from September 11-17, 2017 on 'Revisiting Gandhian Values'. The programme sought to revisit Gandhian Values as an alternative tool for today's degrading society. The inaugural session was blessed by Prof. Siddharth Shastri, Vice President, Banasthali Vidyapith, HoD and Convener Programme Prof. Nirmala Singh, and key note speaker Prof. Anil Dutta Mishra, Rajrishi Tandon University, UP. The 17 technical sessions based on different areas covered all aspects of Gandhian Values. Prof. SK Chahal, Kurukshetra University, Haryana, spoke on 'Communal Discord and Peace Building: Gandhian Way'; Prof. Anil Dutta Mishra on 'Gandhian Techniques of Conflict Resolution'; Prof. Shiela Rai, Expert Member, Khadi and Village Industries Commission, Government of India on 'Rights v/s Duties: Gandhian Perspective'; Prof. L.R Gurjar, Director, Humanities and Social Sciences, VMO University, Kota 'Gandhi and Postmodernism' and 'Gandhian Model of Development'; Prof. Vidya Jain, University of Rajasthan, Jaipur discussed on Gandhi and Women; Prof. Preeti Sharma, Dean, Social Sciences, Banasthali Vidyapith spoke on 'Gandhi in Banasthali: Through lens of Pt. Hiralal Shastri'; Dr. Chandra Kumari, Dept. of Home Science, Banasthali Vidyapith on 'Gandhian Values in Banasthali through Five fold Education'. Gandhian activists Sh. Sawai Singh, Prof. M. Hassan, and Prof. Gopal Modani interacted with the participants on turning point of Gandhi. The Valedictory Address was delivered by Prof. Naresh Dadhich, former VC, VMO University, Kota while the vote of thanks was delivered by Prof. Nirmala Singh.

A faculty development program on 'Effective Peer Engagement for Personal and Organizational Effectiveness' was organized by Jamnalal Bajaj School of Legal Studies during July 3-4, 2017. Resource person Smt. Paragita Joshi showcased importance of cooperation, trust and team efforts within an organization. The workshop outcome established that individual achievement and organizational achievement should complement each other.

In the Department of Legal Studies, on 16 July 2017 director Shyam Benegal's documentary film 'Samvidhan' was exhibited to the students of Law. An interactive session Sh. Umesh Kumar Sharma, Rtd. District Judge discussed the history of Juvenile Justice Act, 2015. Relating Ramayana and Mahabharata to the philosophy of juvenile justice system, he traced meaning of the term juvenile under various Acts like Apprentice Act, 1850, Reformatory School Act, 1897, Children Act, 1920 and 1960, Juvenile Justice Act, 1986, 2000 and 2015. He contrasted the criminal amendment Act, 2013 with the objectives of Juvenile Justice Act and pointed out the contradictions between them.

On August 4, 2017, Ex-director of The Hindustan Times and Ex-Ceo of The Hindu, Shri Arun Anant interacted with the students on "Law and Organizational Dynamics".

An interactive session of Shri P.S Tomar, learned Judge of family court, was organized on 13 August 2017. He emphasized that besides studies, preplanning, time management, discipline, positive thought, etc are also important to get success in judicial service examination.

A special guest lecture by Dr. Chitra Arvind, Director, Rajeshwari & Associates, Trademark & Patent Attorneys, was organized on 26 August 2017 on Career options in intellectual's property rights. Adv. Amit Gupta, High Court (Jaipur Bench), Rajasthan delivered lecture on 'The code of civil procedure code' on August 27, 2017. He emphasized issues related to Hierarchy, Jurisdiction and Appeal procedure of the Civil Courts and explained important aspects of C.P.C like Revision, Review, & Reference.

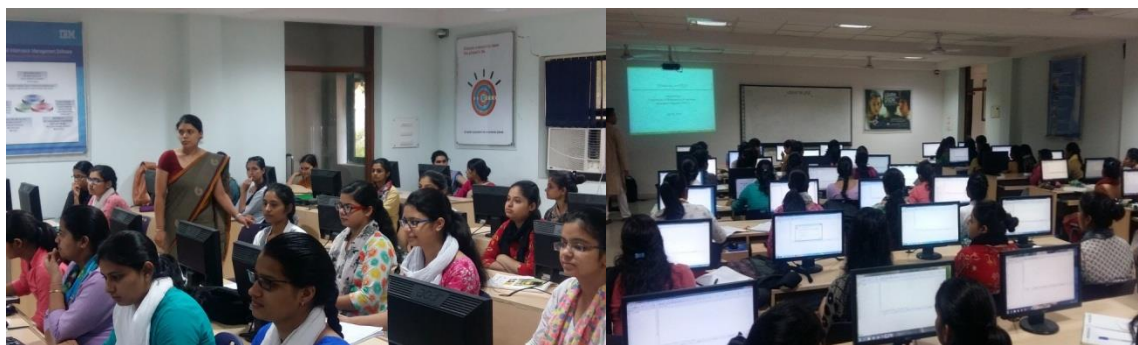
On September 3, 2017 a workshop on 'Energy/Electricity Laws In India & opportunities for law students in power sector' was conducted by Shri Raj Niranjana & Dr. Rajni Patel, Founder & Co-Founder, Trans-India Law Associates, Delhi. Shri Niranjana spoke about prospects of power sector for budding lawyers. He said that a student can develop a better understanding of law by listening, writing and analytical approach and further he compared it with ancient Indian tradition of learning.

Visits to Civil Court, Newai were organized for B.A. LL.B, III semester on July 31 and September 18 and B.A., LL.B second semester on September 4, 2017. A tree plantation programme was organized on Hindi Divas September 14, 2017. At this occasion, two saplings were planted by Prof. Joy Mukhopadhyay, Academic Supervisor at Warwick University, UK & Visiting Faculty, ISBR, Bangalore; Prof. Siddharth Shastri, Vice President, Banasthali Vidyapith, Prof. Harsh Purohit, Dr. Kuldeep, faculty members and students, Faculty of Law.

On September 16, 2017, a guest lecture was delivered by Dr. Afzal Wani, School of Law & Legal Studies, GGS Indraprastha University, Delhi and Former Member, Law Commission of India, on 'An overview of Industrial Disputes Act, 1947'. Dr. Wani explained the philosophy of industrial jurisprudence and said that the function of law is to maintain balance between the various interests within a society. He also discussed salient features of Industrial Disputes Act, 1947. Dr. Afzal Wani delivered second talk on 'Role of Constitution in Promoting Human Dignity' on September 17, 2017, wherein he hailed the Indian Constitution as reflection of the basic values related with human dignity.



A one day workshop on LaTeX- document writing software was conducted by department of Mathematics and Statistics, Dr. Shared Chander Pandey and Ms. Gargi Tyagi on July 25, wherein a complete hands-on training was provided with the aim to acquaint the research scholars and students of M.Sc. (Mathematical Sciences) final year with scientific writing of a document using LaTeX.



The department hosted a full- day workshop entitled Workshop on Statistical Techniques Using R on September 3, with a motive to get an overview on R software, basic R syntax, manipulation and exportation of data which helps participants to initiate their own process of learning the specific tools needed for their further studies. The resource person for the workshop was principal scientist Dr. Hukum Chandra, ICAR- IASRI unit, New Delhi. The Workshop was focused on sensitizing and providing computational aspects, including hands-on training using R software, develop skills in presenting results effectively and improve the participant's ability to interpret the findings.

An International Conference on 'Streams of Music: Note, Poetry and Meditation' was organized on 21-22 August, 2017 by Department of Music. It was convened by Pro- Vice Chancellor, Prof. Ina Shastri. Around 250 papers were received on various sub-themes from researchers and academicians across the world and about 10 invited speakers delivered their lectures/ lecture- demonstration/ performances.



The 1st IBRO-APRC Banasthali School of Neuroscience was organized in association with International Brain Research Organization, France during August 21-26, 2017 and attended by more than 100 participants from 12 countries. The school was intended to discuss advances taking place in the area of neuroscience research and to acquaint the participants to the basic and advanced techniques and instruments in the neuro-pharmacology.



Jagriti Yatra, known for building India through Enterprise launched Jagriti Sustainable Enterprise Awards at Banasthali Vidyapith on July 26, 2017. The event was attended by noted social entrepreneurs like Ms. Chhavi Rajawat (1st female Sarpanch in India with a management degree), Mr. Lakshman Singh (President's Award for water harvesting in his area), Dr. Suyog Kumar (COO, Jagriti Yatra), etc.



Aviation Management Expert Dr. Baba Yerra delivered a talk on 'Building a New India: Role of Teachers and Students' on August 15, 2017. He discussed tools and techniques that faculty and students can adopt for contributing to national development through quality education. Prof. Sharda S. Nandram from Nyenrode University,



Netherlands interacted with the students of FMS-WISDOM on August 16, 2017. She discussed the topic which gels with educational philosophy of Banasthali – 'The Role of Indian Ethos in Management'.

Swayambhu stood as winner in Business Plan Development and Financing Workshop held at Bangkok, Thailand organized by USAID and PFAN on 16 of May, 2017.

In Department of Management, Mr. Anup Mittal and Ms. Kanika visited Banasthali Vidyapith on 22nd July to interact with the MBA I year students. Mr. Anup is the founder of "Anup Transforming Lives" organisation and is a certified life and executive coach, certified by ICF (International Coach Federation). The session was focused on how improving one's own personality, attitude and habits can result in increase in confidence, self-belief and better career choices.



Professor Manoj Dixit, Vice-Chancellor of Awadh University, Uttar Pradesh and Professor Ajay Upadhyay, Skyline University, Sharjah recently visited the department.

### List of Activities for Promotion of Universal Values and Ethics

Event	Date	No. of Participants
Hariyali Teej	26.07.2017	150
World Nature Conservation Day	28.07.2017	100
Shaheed Diwas	09.08.2017	400
Independence Day	15.08.2017	4500
Shri Krishna Janmastami	17.08.2017	700
Indian Aviation Day	19.08.2017	10
Ganesh Chaturthi	25.08.2017	900
National Nutrition Week	1-7.09.2017	200
International Literacy Day	08.09.2017	50
National Engineer's Day	15.09.2017	500
Vishwa Karma Day	17.09.2017	500
Navratra Sthapana	28.09.2017	3000
Durga Astami	29.09.2017	2400
Vijayadashami	30.09.2017	3000
International Day for Older Person	01.10.2017	80
World AIDS Day	01.10.2017	150
Gandhi Jayanti	02.10.2017	1250
World Student day	15.10.2017	120
Rashtriya Ekta Diwas	31.10.2017	60
Guru Nanak Dev Ji Jayanti	01.11.2017	250
Constitution day	26.11.2017	240
Christmas	25.12.2017	300
Lohri	13.01.2018	250
Basant Panchami	22.01.2018	500
national girl child day	24.01.2018	120
Republic Day	26.01.2018	4000
Death Anniversary of Gandhi ji	30.01.2018	150
National Science Day	28.02.2018	200
Holi	01.03.2018	1400
International Women's Day	08.03.2018	1000
World Water Day	22.03.2018	70



### 3.Awards and Recognitions

Smt. Savita Pareek, faculty in the department was awarded with the 'Best Kahanikar' in the series of Tonk Oscar Award - 2017. She received the award by Dr. Suraj Singh Negi (SDM). This recognition was awarded for the story "Amma .... Time Nahi Hai".



Nutrition and Natural Health Sciences Association has honoured Dr. Sheel Sharma, Professor, Department of Food and Nutrition, by conferring National Health Award 2017 (Nutrition Education) on him in its 4th Annual National Health Award summit celebration at India International Centre, New Delhi on December 27, 2017.

Dr. Vivek Jain, faculty, Department of Pharmacy, working in the field of neuroscience was felicitated with the Young Faculty Award during the EET CRS 6th Academic Brilliance Awards 2018 Ceremony at Noida on 28th January 2018. The Research & Branding company (Education expo TV) organize the prestigious event annually to identify young faculties of India who are exceptionally doing well in their respective field.



Dr. Vivek Jain, faculty, Department of Pharmacy received Japan Neuroscience 2017 Travel award for the 40th Annual Meeting of the prestigious Japan Neuroscience Society held during 20 to 23 July 2017 in Chiba city, Japan. He was amongst 27 candidates selected out of 195 applicants. Also assisted financially by the Indian National Science Academy (INSA), Dr. Jain presented his UGC funded research work entitled 'Antinociceptive Effects of Solasodine rich Methanolic Extract of Solanum Torvum Fruit in Chronic Constriction Injury Induced Neuropathic Pain in Rats.

Prof. Harsh Purohit, Dean of FMS-WISDOM and Law, was one of the Jury Members at Digital India Award Ceremony 2018 organized at Hotel Shangri-La New Delhi on 13 June 2018 to felicitate Digital Projects of State Governments and Central Government Department. The event was attended by Government officials all over the country including MEITY, UGC, MHRD, all State Governments. In his message he mentioned about Role of Banasthali Vidyapith in promoting Digital India and it was appreciated in the programme.



## 4. List of Ongoing Projects 2017-18

Title / Name of the Project	PI/Co-PI	Funding Agency	Duration
For Purchase of Books		National Board for Higher Mathematics	01 yr.
Sarla Pareek Project	Dr. Sarla Pareek, Centre for Mathematical Sciences		03 yrs.
Research Project	Dr. Jyoti Vijay	Indian Council of Medical Research	03 yrs.
Education & Research in Basic Sciences (Phase-III)	Prof. Aditya Shastri	Dept. of Science & Technology	03 yrs.
Kalinga Chair 2018			06 months
Inspire Programme Fellowship	Ms. Garima Gangwar, Dept. of Bioscience & Biotechnology		03 yrs.
UGC-XII Plan: For Development		University Grants Commission	
Sports Development: Indoor sports training facility	Dr. Sopic Titus		02 yrs.
Sports Development: for multipurpose Gynmasium	Dr. Sopic Titus		02 yrs.
Research Projects (Major)	Dr. G. N. Purohit		03 yrs.
	Dr. Rajani Chauhan		03 yrs.
	Dr. Rakesh Yadav		03 yrs.
	Dr. Ritu Vijay		03 yrs.
	Dr. Veena Shrama		03 yrs.
	Dr. Vinay Sharma		03 yrs.
Research Projects (Minor)	Dr. Ghanshyam Sharma		02 yrs.
	Dr. Parvez Ahmed Alvi		02 yrs.
	Dr. Saral Kumar Gupta		02 yrs.
B. Voc. Programme	Prof. K. D. Joshi, Community College		01 yr.
EPRIS Project		National Remote Sensing Centre, Deptt. of Space	21 months

Atal Incubation Centre		Govt. of India	03 yrs.
Agriculture Development	KVK Co-ordinator, Krishi Vigyan Kendra	Indian Council of Agriculture Research	01 yr.
Rajasthan Startup Policy-2015		Dept. of Information Tech. & Communication	03 yrs.
National Service Scheme (Special Camp Activities)		National Service Scheme	01 yr.
National Service Scheme (Regular Activities)			01 yr.
Research & Development	Banasthali Vidyapith	HDFC Bank Innovation Hub (under CSR)	02 yrs.
Equipment	Banasthali Vidyapith	Tech Mahindra Foundation	03 yrs.

## 5.List of Publications 2017

Title of Paper	Author(s)	Department	Name of Journal
Development of a polyherbal formulation FMST and evaluation for antidiabetic activity in alloxan induced diabetic rats	Saifi, Alimuddin; Chauhan, Rajani; Dwivedi, Jaya;	Chemistry	Asian Journal of Pharmaceutical Research
Effect of simulated draught stress on secondary Metabolite Production in Red Mangrove (Rhizophora mangle L.; Rhizophoraceae).	E.N. Iwuala and A. Alam	Bioscience and Biotechnology	Journal of Advances in Biology & Biotechnology
Role of Salicylic Acid in Stimulation of Plant Defense System and Interrelated Stevioside Production in the Callus of Stevia rebaudiana Bertoni (Angiosperms; Asteraceae)	S. Dwivedi, G. S. Shekhawat and A. Alam	Bioscience and Biotechnology	Plant Cell Biotechnology and Molecular Biology.
Differential Response Strategies by Zea mays L. and Pennisetum Glaucum (L.) R. Br. Genotypes Under Drought Stress Condition.	E. Iwuala, V. Odjegba, V. Sharma, C. Umebese and A. Alam	Bioscience and Biotechnology	Plant Cell Biotechnology and Molecular Biology.
Responses of Rhizophora mangle L. to effluents from textile Industry in Kano, Nigeria	Iwuala Emmanuel, Afroz Alam, Ajiboye Abiodun	Bioscience and Biotechnology	Plant Science Today
Genistein: Its role in metabolic diseases and cancer. Critical Reviews in Oncology / Hematology.	V. Mukunda, D. Mukundb, V. Sharma, M. Mannarapu and A. Alam	Bioscience and Biotechnology	Critical Reviews in Oncology / Hematology
English Language Teaching and Linguistics	Dr Mandvi Singh	English and Modern European Languages	The Creative Launcher
Microreactor technology for biodiesel production: a review	Madhawan, A., Aroora, A., Das, J., Kuila, A. and Sharma, V	Bioscience and Biotechnology	Biomass Conversion and Biorefinery
Antioxidant and antibacterial activities of various extracts of Inula cuspidata CB Clarke stem	Paliwal, Sarvesh Kumar; Sati, Bhawana; Faujdar, Samriti; Sharma,	Common Paper	Beni-Suef University Journal of Basic and Applied Sciences



	Swapnil;		
Cadmium Phytoextraction and induced antioxidant gene response in <i>Moringa oleifera</i> Lam.	Yadav S. and Srivastava J*	Bioscience and Biotechnology	American Journal of Plant Physiology
<i>Eruca Sativa</i> - A Pharmacological Review.	Sharma N., Pant B. D. and Srivastava J.*	Bioscience and Biotechnology	The Journal of Indian Botanical Society
Thiamine Deficiency Induced Dietary Disparity Promotes Oxidative Stress and Neurodegeneration	Anisha Chauhan, Nidhi Srivastava and Parvesh Bubber	Bioscience and Biotechnology	Indian Journal of Clinical Biochemistry
Analysis of wild chickpea seed proteins for lectin composition.	Ajay Kumar Gautam., Nidhi Srivastava., Amit Kumar Singh Chauhan., Sameer S. Bhagyawant	Bioscience and Biotechnology	International Journal of Current Research And Academic Review
Multivariate Analysis Based on Nutritional Value, Antinutritional Profile and Antioxidant Capacity of Forty Chickpea Genotypes Grown in India.	Neha Gupta., Nidhi Srivastava., Sameer S. Bhagyawant	Bioscience and Biotechnology	Journal of Nutrition and food Sciences
Characterization of Pyrrolidine Alkaloids of <i>Epipremnum aureum</i> for Their Antitermite Activity Against Subterranean Termites with SEM Studies	Anju Meshram, Sameer S. Bhagyawant, Nidhi Srivastava	Bioscience and Biotechnology	Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci
Environment and biodiversity conservation studies with Remote Sensing and GIS	Anju Meshram., Sameer S. Bhagyawant., Nidhi Srivastava	Bioscience and Biotechnology	MOJ Proteomics and Bioinformatics
Targeting beta clamp in <i>Helicobacter pylori</i> with FDA approved drugs yields micromolar inhibition by diflunisal.	Pandey, P., Verma, V., Gautam, G., Kumari, N., Dhar, S.K. and Gourinath, S.	Bioscience and Biotechnology	FEBS Letters
Traditional uses of locally available plants for the treatment of urinary disorders at Banasthali region of Rajasthan, India.	Sain, S., Kumari, N. and Tripathi, B.N.	Bioscience and Biotechnology	The Scientific Temporal



Caught in the Labyrinth of Realisation and Restriction: A Study of the Major Women Characters in Shashi Deshpande's That Long Silence	Dr. Anupriya Roy Srivastava	English and Modern European Languages	The Criterion: An International Journal in English
Nitrogen and Carbon Sources Influencing Mycoremediation of Textile Dyes Using Novel Autochthonous Fungal Isolates	Sweety, Vats S, Kumar M, Kumar V, Gupta S, Garg SK	Bioscience and Biotechnology	Analytical Chemistry Letters
Mycoremediation of Textile Dyes: Application of Novel Autochthonous Fungal Isolates.	2. Sweety, Vats S, Kumar M, Sharma S, Kumar V, Garg SK	Bioscience and Biotechnology	EnvironmentAsia
Isolation and structural elucidation of an isothiocynate compound from Indigofera tinctoria Linn. extract	Veena Sharma & Rashmi Singh	Bioscience and Biotechnology	Current Science
Evaluation of effect of alcoholic extract of heartwood of Pterocarpus marsupium on in vitro antioxidant, anti-glycation, sorbitol accumulation and inhibition of aldose reductase activity	Pankaj Gupta, Vivek Jain, Ashutosh Pareek, Preeti Kumari, Randhir Singh, Priyanka Agarwal, Veena Sharma	Bioscience and Biotechnology	Journal of Traditional and Complementary Medicine
Characterisation of the methanogenic archaeal community in the C1 compartment of the camel (Camelus dromedarius)	F. Faridi, D. Suchitra Sena and V. Sharma	Bioscience and Biotechnology	Journal of Camel Practice and Research
Genetic variations of IL-10: Identification of novel variations and evaluation of the impact of the SNP/haplotype in the promoter region with the progression of oral Squamous Cell Carcinoma in Indian Population	Upma Sharma, Pallvi Singhal, Kapil Bandil, Anoop Kumar, Surojit Bose, Puneet Ahuja, Molushree Kohli, Ajay Kumar Dewan, Juhi Tayal, Basu Dev Banerjee, Aditya Prasher, Ravi	Bioscience and Biotechnology	Cytokine

	Mehrotra, Veena Sharma, Mausumi Bharadwaj.		
Biological methods for heavy metal decontamination-A patent review.	Mishra, R.K. and Sharma, V.	Bioscience and Biotechnology	Recent Patents on Biotechnology
The ability of two fungi to dissolve hardly soluble phosphates in solution.	Jain, R., Saxena, J. and Sharma, V.	Bioscience and Biotechnology	Mycology
Efficient Genetic Transformation of Brassica juncea with Lectin Using Cotyledons Explants..	Rani, S., Sharma, V., Hada, A. and Koundal, K.R	Bioscience and Biotechnology	International Journal of Advanced Biotechnology Research
Fusion gene construct preparation with lectin and protease inhibitor genes against aphids and efficient genetic transformation of Brassica juncea using cotyledons explants.	Rani, S., Sharma, V., Hada, A., Bhattacharya, R.C. and Koundal, K.R.	Bioscience and Biotechnology	Acta Physiologiae Plantarum
A review on screening of extracellular hydrolytic enzyme producing microorganisms.	Sharma, A.K., Srivastava, V. and Sharma, V.	Bioscience and Biotechnology	Journal Plant Science Research
Optimization of Process Parameters in Submerged Fermentation for Lipase Production from Soil Fungal Isolate.	Sharma, A.K., Kumari, S., Sharma, V. and Saxena, J.	Bioscience and Biotechnology	Journal of Biological Sciences and Medicine
Isolation and Screening of Protease Producing Soil Fungi.	Sharma, A.K., Negi, S., Sharma, V. and Saxena, J.	Bioscience and Biotechnology	Advance Pharmaceutical Journal
Guggulosomes: A herbal approach for enhanced topical delivery of phenylbutazone	Dave, Vivek; Yadav, Renu Bala; Gupta, Shipra; Sharma, Swapnil;	Pharmacy	Future Journal of Pharmaceutical Sciences
Optimization of Protease Production from Wild and Mutant Strains of Aspergillus sp. Under Submerged Fermentation.	Sharma, A.K., Negi, S., Sharma, V. and Saxena, J.	Bioscience and Biotechnology	SMU Medical Journal
Production of Protease from Soil Fungi by Submerged Fermentation.	Sharma, A.K., Negi, S., Sharma, V. and Saxena J.	Bioscience and Biotechnology	SMU Medical Journal
Production of extracellular	Sharma, A.K.,	Bioscience	Advanced

lipase by submerged fermentation from fungal isolates of soil samples.	Kumari, S., Sharma, V. and Saxena, J.	and Biotechnology	Pharmaceutical Journal
Cellulase production from thermochemically pretreated <i>Chenopodium album</i> .	Prakash, A., Sharma, V., Kumar, D., Kuila, A. and Sharma A. K.	Bioscience and Biotechnology	International Journal of Renewable Energy Technology
Genistein: Its role in metabolic diseases and cancer.	Mukunda V., Mukund D., Sharma, V., Mannarapuc, M. and Alam, A.	Bioscience and Biotechnology	Critical Reviews in Oncology
Association mapping unveils favorable alleles for grain iron and zinc concentrations in lentil ( <i>Lens culinaris subsp. culinaris</i> ).	Singh, A., Sharma, V., Dikshit, H.K., Aski, M., Kumar, H., Thirunavukkarasu, N., Patil, B.S., Kumar, A. and Sarker, A	Bioscience and Biotechnology	PLoS ONE
Morpho-Physiological Grouping of Chickpea ( <i>Cicer arietinum</i> L.) Genotypes on the Basis of their Response to Drought Stress.	Sachdeva S., Bharadwaj C., Sharma V., Kumar N., Bhat K. V., Patil B. S., Soren R. K., Chaturvedi S. K., Roorkiwal M., Chauhan S. K. and Varshney R.	Bioscience and Biotechnology	International Journal of Tropical Agriculture.
Selection Indices to Discern Response of Chickpea ( <i>Cicer arietinum</i> L.) Genotypes to Drought Stress.	Sachdeva, S., Bharadwaj C., Sharma V., Patil B.S., Soren K.R., Kumar T., Kumar S. , Singh S., Chauhan S.K and Bhat KV	Bioscience and Biotechnology	International Journal of Tropical Agriculture.
Microreactor technology for biodiesel production: a review	Madhawan, A., Arora, A., Das, J., Kuila, A. and Sharma, V.	Bioscience and Biotechnology	Biomass Conversion and Biorefinery
Oleanolic acid-bioenhancer loaded chitosan modified	Sharma, Monika;	Pharmacy	International journal of biological

nanocarriers attenuate breast cancer cells by multimode mechanism and preserve female fertility	Sharma, Shweta; Sharma, Vikas; Sharma, Komal; Yadav, Santosh Kumar; Dwivedi, Pankaj; Agrawal, Satish; Paliwal, Sarvesh Kumar; Dwivedi, Anil Kumar; Maikhuri, Jagdamba Prasad;		macromolecules
Hepatoprotective activity of hydroalcoholic extract of <i>Annona squamosa</i> seeds	Mehta, Shuchi Dave; Paliwal, Sarvesh;	Pharmacy	Int J Pharm Phyto Res
Biotic Strategies for Toxic Heavy Metal Decontamination.	Mishra, R.K. and Sharma, V.	Bioscience and Biotechnology	Recent Patents on Biotechnology
In Silico Studies of Conformational Changes in wheat Heat Shock Proteins.	Sharma V. and Singh S.P.	Bioscience and Biotechnology	MOJ Proteomics & Bioinformatics
Bioinformatics resources and approaches for the interaction of <i>Oryza sativa</i> and <i>Magnaporthe oryzae</i> pathosystem.	Sharma, V., Singh, V. and Katara, P.M.	Bioscience and Biotechnology	International Journal of Bioinformatics Research and Applications
Different types of thermochemical pretreatment and optimization of enzymatic hydrolysis of groundnut shell.	Madhwan, A., Arora, A., Das, J., Sharma, S. and Sharma, V	Bioscience and Biotechnology	Waste Biomass Valorization
Potential of Glycophytes and Halophytes in Phytoremediation of Salt and Metal Contaminated Soils: A Review.	Alam, A. and Sharma, V.	Bioscience and Biotechnology	Current Environmental Engineering
Essential Oils: A Novel Consumer and Eco-friendly Approach to Combat Postharvest Phytopathogens.	Afroz Alam, A Tripathi, V Sharma, N Sharma	Bioscience and Biotechnology	Journal of Advances in Biology & Biotechnology
Checklist of Mosses (Bryophyta) of Gangetic	K K Rawat, Afroz Alam, P	Bioscience and	Bangladesh J. Plant Taxon

Plains, India.	K Verma	Biotechnology	
Partial purification and characterization of protease enzyme from soil-borne fungi	A K Sharma, V Sharma, J Saxena, B Yadav, Afroz Alam and A Prakash	Bioscience and Biotechnology	Mycopath
Salicylic acid mediated growth, physiological and proteomic responses in two wheat varieties under drought stress	Marisha Sharma, Sunil K. Gupta, Baisakhi Majumder, Vivek K. Maurya, Farah Deeba, Afroz Alam, Vivek Pandey	Bioscience and Biotechnology	Journal of Proteomics
Adiponectin: Its role in obesity-associated colon and prostate cancers.	Santoshi Muppala, Siva K.P. Konduru, Neha Merchant, Judy Ramsoondar, Carlos Karan Rampersad, Balney Rajitha, Vidya Mukund, Jyothsna Kancherla, Anthea Hammond, Tapan Kumar Barik, Mastan Mannarapu, Afroz Alam, Riyaz Basha, Pallavula Veera Bramhachari, Dheeraj Verma, Pinninti Santosh Sushma, Subasini Pattnaik, Ganji Purnachandra Nagaraju	Bioscience and Biotechnology	Critical Reviews in Oncology / Hematology
Phytoremediation: A natural	Afroz Alam,	Bioscience	Current Environmental

way of Reclamation (Editorial)	Vinay Sharma	and Biotechnolog y	Engineering
Formulation of risperidone loaded proniosomes for effective transdermal delivery: An in-vitro and in-vivo study	Sambhakar, Sharda; Paliwal, Sarvesh; Sharma, Swapnil; Singh, Bishambar;	Pharmacy	Bulletin of faculty of pharmacy, Cairo University
Enzymatic hydrolysis of thermochemically pretreated biomass using a mixture of cellulolytic enzymes produced from different fungal sources	S. Sharma, A. Kuila, V. Sharma	Bioscience and Biotechnolog y	Clean Technologies and Environmental Policy
Thermochemical pretreatment of corn husk and enzymatic hydrolysis using mixture of different cellulases	S. Sharma, V. Sharma, A. Kuila	Bioscience and Biotechnolog y	Biomass Conversion and Biorefinery
Optimization of culture conditions for amylase production from locally isolated Aspergillus sp	Arun Kumar Sharma, Vinay Sharma, Arindam Kuila, Jyoti Saxena	Bioscience and Biotechnolog y	Journal of Biology and Nature
A review on strain improvement of fungi for enhanced lipase production	Arun Kumar Sharma, Vinay Sharma, Jyoti Saxena	Bioscience and Biotechnolog y	Journal of Biology and Nature
Facile One-Pot Synthesis Methodology for Nitrogen-Containing Heterocyclic Derivatives of 3, 5-Disubstituted 4, 5-Dihydro-1H-Pyrazole, Their Biological Evaluation and Molecular Docking Studies	Upadhyay, Savita; Tripathi, Avinash C; Paliwal, Sarvesh; Saraf, Shailendra K;	Pharmacy	Pharmaceutical Chemistry Journal
Isolation and screening of lipase producing fungi from soil.	Arun Kumar Sharma, Sapna Kumari, Vinay Sharma, Jyoti Saxena	Bioscience and Biotechnolog y	International Journal of Research
Cadmium and lead phytoextraction and induced growth responses in Moringa oleifera Lam. seedlings.	Yadav S. and Srivastava J*	Bioscience and Biotechnolog y	The Journal of Plant Physiology
An overview related to the different approaches of synthesis of different	Sharma, M., Yadav, I. and Sharma, C.K.	Bioscience and Biotechnolog	Ecology, Environment and Conservation



metallic nanoparticles with various advantages in modern science		y	
Production of Biofuel as Alternative Sources of Energy from Various Raw Materials	4. Sharma, M., Singh, R.K. and Sharma, C.K.	Bioscience and Biotechnology	Ecology, Environment and Conservation
Up scaling strategies to improve the industrial production of bacitracin at largescale	Sharma, C.K. and Sharma, M.	Bioscience and Biotechnology	Mini-Reviews in Medicinal Chemistry
Involvement of different genes expressions during immunological and inflammatory responses in Vitiligo.	Sharma, C.K., Sharma, M. and Prasad, K.	Bioscience and Biotechnology	Critical Reviews in Eukaryotic Gene Expression
A Simple Method to Study Host-Pathogen Interaction in Sesamum Indicum	Sharma A*, Sikarwar M, Gupta P and Srivastava N	Bioscience and Biotechnology	Vegetos
Untapped amaranth (Amaranthus spp.) genetic diversity with potential for nutritional enhancement.	Alka Shukla., Nidhi Srivastava., Poonam Suneja., Shiv K. Yadav., Zakir Hussain., J.C. Rana., Sangita Yadav	Bioscience and Biotechnology	Genetic Resources and Crop Evolution
Accentuated Molecular Detection Technique to Segregate and Identify Helminths of Fish through High Resolution Melting (HRM) Analysis 6: 163	Neeshma Jaiswal, Rashmi Tripathi and Sandeep K. Malhotra	Bioscience and Biotechnology	Single Cell Biology
Traditional uses of Medicinal Plants of Summer hill , Shimla.	Pracheta, Sunanda Kulshrestha and Rashmi Tripathi	Bioscience and Biotechnology	World Journal of Pharmacy and Pharmaceutical Sciences (WJPPS)
Discovery of potential inhibitor against human acetylcholinesterase: a molecular docking and molecular dynamics investigation	Surya Pratap Singh; Dwijendra Gupta	Bioscience and Biotechnology	Computational Biology and Chemistry
Potential of Glycophytes and Halophytes in Phytoremediation of Salt and metal contaminated soils: A Review.	Alam, A. and Sharma, V.	Bioscience and Biotechnology	Current Environmental Engineering",
Understanding host-	Jain, P.,	Bioscience	Front. Plant Sci.

pathogen interactions with expression profiling of NILs carrying rice-blast resistance Pi9 gene.	Singh, P.K., Kapoor, R., Solanke, U.A., Krishnan, S.G., Singh, A.K., Sharma, V. and Sharma, T. R.	and Biotechnology	
Role of Crataegus oxyacantha (Hawthorn) on scopolamine induced memory deficit and monoamine mediated behaviour in rats	Paul, Sangeeta; Sharma, Swapnil; Paliwal, Sarvesh Kumar; Kasture, Sanjay;	Pharmacy	Oriental Pharmacy and Experimental Medicine
Electrospinning of graphene-oxide onto screen printed electrodes for heavy metal biosensor,	Mishra, R.K., Nawaz, M.H., Hayat, A., Nawaz, M.A.H., Sharma, V. and Marty, J.-L	Bioscience and Biotechnology	Sensors and Actuators B: Chemical
One-pot oxidation of aromatic and cyclic hydrocarbons using the Au (III) and Pd (II) catalyst under microwave irradiation	Srivastava, Manish; Srivastava, Anamika; Goyal, Ashu; Mishra, Aakanksha; Tomer, Preeti; Dwivedi, Jaya; Kishore, D;	Chemistry	Journal of Physical Organic Chemistry
Synthesis, Characterization and Antibacterial Evaluation of Some Azole Derivatives	Rani, Manju; Sharma, Shivani; Chauhan, Rajani; Sharma, Swapnil; Dwivedi, Jaya;	Chemistry	INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH
Variety of applications of high performance liquid chromatography (HPLC) in plants.	Sharma, C.K., Kanole, S., Sharma, M. and Sharma, V	Bioscience and Biotechnology	Ecolo. Environ. Conser
Synthesis and molecular docking studies of some new quinoxaline derivatives as potential antimicrobial agents	Achal Mishra, Sarvesh Paliwal, Swapnil Sharma,	Chemistry	Indian journal of heterocyclic chemistry, 27, 249-254

	Jaya Dwivedi		
Synthesis of novel substituted phenyl 1-3-hydrazinyl-quinoxaline-2-amine derivatives : Evalation of antimicrobial activity and its molecular docking studies	Sarvesh Paliwal,Swapni l Sharma, Jaya Dwivedi, Achal Mishra	Chemistry	Journal of Heterocyclic Chemistry, 54(6): 3689-3695
The Synthetic and Biological Attributes of Pyrazole Derivatives: A Review.	Jaya Dwivedi, Swapnil Sharma, Sonika Jain, Aarti Singh	Chemistry	Mini-Reviews in Medicinal Chemistry, (17): 2017
Controlled spontaneous generation of gold nanoparticles assisted by dual reducing and capping agents	Manish Srivastava Shakti bala Sweety Sharma Anamika Srivastava	Chemistry	Journal of Innovation in Pharmaceutical Science, 1(2), 1-9
Oxidation of organic compounds by in situ generated sodium ferrate in presence of Cu NPs adsorbed on Al <sub>2</sub> O <sub>3</sub> under microwave irradiation.	Manish shrivastava Anamika shrivastava	Chemistry	Journal of Innovation in Pharmaceutical Science, ,1(2), 1-5
Exceedingly facile one- pot protocols to the synthesis of pyrimido annulated analogues of carbazolo condensed azepinones and their evaluation for analgesic activity	Meenakshi Agrawal, Sonika Jain, Swapnil Sharma, Jaya Dwivedi, Dharam Kishore	Chemistry	Bulletin of Chemical Society of Ethiopia, 31(1): 93-105
Applications of gold catalysts for the synthesis of five membered o-heterocycles	Navjeet kaur	Chemistry	Inorganic and Nano Metal Chemistry,47 (2), 163-187
Gold catalysts in the synthesis of five- membered N-heterocycles	Navjeet kaur	Chemistry	Current Organocatalysis, 4, 122-154
Ionic liquids: promosing but challenging solvents for the synthesis of N-heterocycles	Navjeet kaur	Chemistry	Mini reviews in organic chemistry, 14(1): 3-23.
Methods of metal and non metal catalyzed synthesis of six membered oxygen containing poly- heterocycles	Navjeet kaur	Chemistry	Current Organic Synthesis, 14(4): 531-556
Synthesis and Molecular Docking Studies of Some New Quinoxaline Derivatives as Potential Antimicrobial Agents	Mishra, Achal; Paliwal, Sarvesh; Sharma, Swapnil; Dwivedi, Jaya;	Chemistry	INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY

An improved LC-ESI-MS/MS method to quantify pregabalin in human plasma and dry plasma spot for therapeutic monitoring and pharmacokinetic applications	Jaya Dwivedi, Kuldeep K. Namdev, Deepak C. Chilkoti, Suraj Pal Verma, Swapnil Sharma	Chemistry	Therapeutic Drug Monitoring, 39(3), 3-23
Catalyst- controlled structural divergence : selective intramolecular 7-endo-dig and 6-exo-dig post ugi catalization for the synthesis of benzoxazepinones and benzoxazones	Karandeep Singh, Bhanwar Kumar Malviya, Tapta Kanchan Roy, Venus S. Mithu, Vimal K. Bhardwaj, Ved Prakash Verma Swapandeep S. Chimni, Siddharth sharma	Chemistry	Journal of Organic Chemistry, 83(14), 972-998
A multifunctional carbonylhydrazide- based chromofluorescent sensor for the selective detection of Cu(II) and Zn ion	Suman Swami, Arunava Agarwal, Ved Prakash Verma, Rahul Srivastava	Chemistry	Chemistry Select, 2, 11474
Fluoride : a review of pre clinical and clinical studies	Divya Sharma, Aarti Singh, Sarvesh Paliwal, Swapnil Sharma, Jaya Dwivedi	Chemistry	Environmental Toxicology and Pharmacology, 56: 297-313
Analytical methods for metformin estimation	Durgawati Patel, Pushpenra Kumar, Swapnil Sharma, Jaya Dwivedi	Chemistry	Critical Reviews in Analytical Chemistry, 47(5): 405-417
Antioxidant and nephroprotective potential of Aegle marmelos leaves extract	Jaya dwivedi, Manvendra Singh, Swapnil Sharma	Chemistry	Journal of Herbs, Spices & Medicinal Plants, 23(4): 363-377
A simple, rapid and stability indicating validated method for quantification of lamotrigine in human	Kuldeep K. Namdev, Jaya Dwivedi, Deepak	Chemistry	Journal of Chromatography B: Analytical Technology in the Biomedical and Life

plasma and dry plasma spot using LC-ESI-MS/MN : application in clinical study	Chandra Chilkoti, Swapnil Sharma		Sciences 1072, 363-377
Determination of sulfur contents in petroleum product-an overview	Subhash C. Bajia, Ram Janam Singh, Birbal Bajia, Sudesh Kumar	Chemistry	Journal of sulfur chemistry, 115-134
Conversion of waste plastic into liquid hydrocarbons (energy) by CuCO <sub>3</sub> catalyst :Application of scientific research on plastic pollution	Manvir Singh, Sudesh Kumar, Moinudin Sarkar	Chemistry	Chemical and Process Engineering Research
Protective potential of Coriandrum sativum seed extract on E. coli induced peritonitis and bacteraemia in mice	N. Jain, Jaya Dwivedi, V. S. Kasture, Swapnil Sharma	Chemistry	Oriental Pharmacy and Experimental Medicine, 17(4): 409-415
Plant extracts as green corrosion inhibitors in various corrosive media - a review	Prachi Rathi, Shweta Tripathi and Sudesh Kumar	Chemistry	World Journal Of Pharmacy And Pharmaceutical Sciences, 6(4): 482-514
Nutritional and phytochemical evaluation of fruit pulp powder of Aegle marmelos (Bael).	Singh Ekta, Sharma Kirti.	Home Science	J of chemical and pharmaceutical science
Stability analysis of an electrospinning jet of polymeric fluids	Dharmansh Deshwar, Paresh Chokshi	Chemical engineering	Polymer
EFMMRP: Design of efficient fuzzy based multi-constraint multicast routing protocol for wireless ad-hoc network	Yadav, Ajay Kumar, Santosh Kumar Das, and Sachin Tripathi	Computer Science	Computer Networks
RECEPTORS INVOLVED IN LEARNING AND MEMORY PROCESS: AN OVERVIEW	Paul, Sangeeta; Sharma, Swapnil; Paliwal, Sarvesh; Kasture, SB;	Pharmacy	Pharmacology online
Dropout Classification through Discriminant Function Analysis: A Statistical Approach	Ajit Kumar Jain, C.K. Jha	Computer Science	International Journal of Scientific Research in Computer Science, Engineering and Information Technology
Load Balancing in Software Defined Network	Priyanka Kumari, Dipanwita Thakur	Computer Science	International Journal of computer Science & Engineering

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meera ke prabhu giridhar nagar	Dr. Swarna	Hindi and Modern Indian language	Hastakshar
mansukt Aranyakand ka vaishishtya	Dr. Ashish pandey	Hindi and Modern Indian language	Manas chetana
Kashmeer ka stri vimarsh aur chandrakanta ke upanyas	Dr. Ashish pandey	Hindi and Modern Indian language	Aagaman
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meharunnisa parwej ke sahitya me aadiwasi	Dr. pinky pareek	Hindi and Modern Indian language	shabd brahm
krishnkavya me sur aur tulasi ka sthan	Dr. pinky pareek	Hindi and Modern Indian language	shodh mala
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Application of Dabu Mud resist Printing and Indigo Dye on Khadi Fashion Accessories	Meghshyam Gurjar	Design	Naveen Shodh Sansar
ImXr dŪ CĀ[mXZ - dV©mZ MwZm°oV`m± (_{Kl`m_ JwO@a, ‡m{. oh_m-r Km{f)	Meghshyam Gurjar	Design	Naveen Shodh Sansar
. Enhancing Beauty of Khadi for Apparel through Clamp Dyeing	Meghshyam Gurjar	Design	Naveen Shodh Sansar
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Innovation in traditional Namda Handicraft	sharmila gurjar	Design	Naveen Shodh Sansar (
Attitudes towards puberty among adolescents girls	Suvidha, Choudhary Ravija	Home Science	International Journal of applied research
Current Scenario of Financial Inclusion in India- Post Financial Inclusion Drive	Ravisha Chutani	Commerce and Management	Journal of Advanced Research in Dynamical and Control Systems
Lipid-polymer hybrid nanoparticles: Development & statistical optimization of norfloxacin for topical drug delivery system	Dave V., Yadav R.B., Kushwaha K., Yadav S., Sharma S., Agrawal U.	Pharmacy	Bioactive Materials
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Formulation and evaluation of orally dispersible tablets of Chlorpheniramine maleate by fusion method [F <sub>1/2</sub> zyon y <sub>1</sub> ntemiyle haz <sub>1</sub> rlanan klorfeniramin maleat i <sub>1</sub> Şeren a <sub>1</sub> Y <sub>1</sub> zda da <sub>1</sub> Y <sub>1</sub> lan tabletlerin form <sub>1</sub> lasyonu ve de <sub>1</sub> Yerlendirilmesi]	Dave V., Yadav R.B., Ahuja R., Sahu A.K.	Pharmacy	Marmara Pharmaceutical Journal
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Multifunctional nanomaterials for multifaceted applications in biomedical arena	Raghav S., Painuli R., Kumar D.	Pharmacy	International Journal of Pharmacology
The Changing Scenario of Education through ICT: A Study (in Hindi)	Ajay Surana & Jyotsana Bisht	Education	Asian Journal of Educational Research & Technology
Initiation for ICT for Education in India (in Hindi)	Ajay Surana & Jyotsana Bisht	Education	Aayushi International Interdisciplinary Research Journal (AIIRJ)
A Comparative Study of Supportive Material used by Science Teachers in School and Coaching Institutions: On the basis of Perception of Students (in Hindi)	Ajay Surana & Savita Sharma	Education	Research Matrix: An International Referred Multidisciplinary Journal of Applied Research
Vidyaalay Tathaa Vishvavidyaalay Star Par Adhyayanarat Saamoohik Khel Khelane Vaalee Khilaadiyon Kee Aadhyaatmik Buddhi Kaa Tulanaatmak Adhyayan 1-8	Mishra, Murlidhar and Sharma, Urvashi	Education	Research Dimension (A peer-Reviewed multi disciplinary international journal) UGC List# 45814
Adhyaapakon Kee Kaaryashailiyon Kaa Vishlesana Evm Vyaakhyaa	Mishra, Murlidhar	Education	Research Direction (A peer-Reviewed Interdisciplinary international journal) UGC List# 45489
Swami vivekanand ke sahitya men nihit samaajik chetna sambandhi vichaar	Mishra, Murlidhar	Education	Review of Research Journal (International Multidisciplinary Journal) UGC List#

			48514
Rajasthan Rajya men Kaksha 11 Kee Bhoogol Paathyapustakon Kaa Samaalochanaatmak Adhyayan 1-6	Paliwal Manisha, Mishra, Murlidhar and Goswami, Vandana	Education	Research Direction (A peer-Reviewed Interdisciplinary international journal) UGC List# 45489
Kiraataarjuneeyam Mahaakaavy men Pratibimbit Shaikshik Mooly	Yadav, Sumundra Singh, Gangal, Mahesh Kumar and Mishra, Murlidhar	Education	Fundamental Research UGC List# 48533
Shaikshik Yogyata ke Sandarbh men Adhyapak Patrata Pareeksha (TET) ke prati Sevapoorv Adhyapak Shiksha Praptkartaaon ke Pratyksheekaran ka Adhyayan	Gupta, Diksha, and Mishra, Murlidhar	Education	Research Direction (A peer-Reviewed Interdisciplinary international journal) UGC List# 45489
Shishupalvadham Mahaakaavy men Pratibimbit Shaikshik Mooly	Yadav, Sumundra Singh, Gangal, Mahesh Kumar and Mishra, Murlidhar	Education	Humanities & Social Sciences: Intradiciplinary Approach UGC List# 48458
Adhyapak Patrata Pareeksha (TET) ke prati Sevapoorv Adhyapak Shiksha Praptkartaaon ke Pratyksheekaran ka Vishay Varg ke Sandarbha men Adhyayan	Gupta, Diksha, and Mishra, Murlidhar	Education	Review of Research Journal (International Multidisciplinary Journal) UGC List# 48514
Vidyalaya Vikaas Men Swa-Bhumikaaon ke prati Kshetra tatha Linggat Bhinnata ke Aadhar par Vidyalya Prabandh Samiti Sadasyon ka Pratyakshikaran	Mishra, Murlidhar	Education	Inspira- Journal of Modern Management & Entrepreneurshi (JMME) UGC List# 45138
A Study of Attainment of Environmental Science Concepts by English and Hindi Medium Primary Level School Learners Through Computer Assisted Instruction (CAI) Program 1-10	Surana, Ajay, Mishra, Murlidhar and Mago, Ritu	Education	Research Dimension (A peer-Reviewed multi disciplinary international journal) UGC List# 45814
Prathmik Shiksha Star par Sanchalit 'Back to Basic' Pariyojana ka kriyanvayan:	Gupta, Manisha, and Mishra,	Education	Pratidhwani the Echo A Peer-Reviewed Indexed Journal of Huminities &

Ek Vishleshanaatmak Adhyayan	Murlidhar		Social Science UGC List# 47694
Vidyalaya Vikaas Men Swa-Bhumikaon ke prati Vidyalaya Prabandhan Samiti Sadasyon ka Pratyakshikaran	Mishra, Murlidhar	Education	Research Direction (A peer-Reviewed Interdisciplinary international journal) UGC List# 45489
Adhyaapakon Kee Kaaryashailiyaanah Pahachaan Evm Vargeekarana 1-12	Mishra, Murlidhar	Education	Research Direction (A peer-Reviewed Interdisciplinary international journal) UGC List# 45489
Kaamandakeey Neetisaar Men Nihit Anushashan kee Samlakpna: Ek Vishlesanaatmak Adhyayan	Poshwal, Lalit and Mishra, Murlidhar	Education	Research Direction (A peer-Reviewed Interdisciplinary international journal) UGC List# 45489
Snatak Stareey Adhyapak Shiksha Karykram Men Chhatraadhyapakon dwara Pushtkalay-Upyog kee aavritti aur Upyog ke Uddeshyon ka Adhyayan		Education	Review of Research Journal (International Multidisciplinary Journal) UGC List# 48514
Kirartararjuniyam Mahakavya main Pratibimbit Shakshaik Mulya	Dr. Mahesh Kumar Gangal , Dr. Murlidhar Mishra & Sumundra Yadav	Education	Fundamental Research, A Monthly Multi disciplinary Peer Reviewed Research Journal
Shishupalvadham Mahakavya main Nihit Shakshaik Mulya: Ek Vishleshan	Dr. Mahesh Kumar Gangal , Dr. Murlidhar Mishra & Sumundra Yadav	Education	Humanities & social science : Interdisciplinary Approach, A Bi annual Multilingual International Peer Reviewed Research Journal
Interactive Whiteboards Enhance Classroom Instruction and Learning	Ajay Surana & Kusum Sharma	Education	Edutracks
Trends of Mixed Methods Researches of Education in Indian Context	Deepti Kumari, Dr. Ajay Surana	Education	The Board of International Journal of Research and Scientific Innovation
Snaatakottar Star Par Vigyaan Shiksana Prakriyaa Ke Prati Shiksakon Kee Apeksaaon Kaa Adhyayan	Mishra, Murlidhar and Sharma, Sapna	Education	Research Dimension (A peer-Reviewed multi disciplinary international journal) UGC List# 45814
Nijee Vidyaalayan Men Shulk Nirdhaarana Ke Prati Vidyaalayeen Prabandhakon	Mishra, Murlidhar and Sharma,	Education	Research Dimension (A peer-Reviewed multi disciplinary



Ke Pratyakseekarana Kaa Adhyayan	Sujata		international journal) UGC List# 45814
Adhyaapakon Kee Kaary Shailee Kaa Sampratyayeeekarana	Mishra, Murlidhar	Education	Research Direction (A peer-Reviewed Interdisciplinary international journal) UGC List# 45489
Dillee men madhymik evm Varishth adhmik Vidyalayon ki Uplabdhta(1993-2010) ka adhyayan	Mishra, Murlidhar and Kumar, Sandeep	Education	Review of Research Journal (International Multidisciplinary Journal) UGC List# 48514
fok"V fo   ky;ksa esa lsokjr f'k{kdksa dh dk;Zlarqf"V dk v/;;u	Parshuram Dhakad & Sirola Meena	Education	Adyapak Sarthi (An Educational Referred national Journal)
fok"V fo   ky;ksa esa lsokjr f'k{kdksa dh 'kSf{kd leL;kvksa dk fyaxr fHkUurk ,oa fo   ky; dh izd`fr ds lanHkZ esa v/;;uA	Parshuram Dhakad & Sirola Meena	Education	Anushodhan
Snaatakottar Star Par Vigyaan Shiksana Prakriyaa Ke Prati Shiksakon Kee Apeksaon Kaa Adhyayan	Mishra, Murlidhar & Sharma, Sapna	Education	Research Dimensions
Cooperative Learning: A new strategy of Learning	Sharma Sapna and Meera Devi	Education	Yugshilpi, A research journal of Humanities and Social Science (An International Refreed Journal)
Uchh madhyamiak staar par adhyanrat vidhyarthio ke atamvishwas evam unki shaikshik uplbldhi mei samband - ek adhyan	Punetha Deepa, Mittal Kavita and Sapna Sharma	Education	International Journal of Academic Research and Development, Peer Reviewed Journal, Refreed Journal, Indexed Journal
12. Abhibhavakon ke Liye Shiksha-Manovigyan ke Gyan ki Avashyakata	Frist author-Smita Singh 2nd author-Dr. Raj Kumar Tripathi	Education	Chintan International Journal
13. Manas me Nirupit Parivarik Mulya : Ek Alochanatmak Anushilan	Dr. Raj Kumar Tripathi	Education	Navdrishti
Samvegatmak Budhhi ke Vikas ki Avashyakata Aur Es Hetu Prayas	Frist author-Smita Singh 2nd author-Dr. Raj Kumar Tripathi	Education	Research Link
Vishishtha Avashyakata Vale Balko ke Sandarbh Men Shikshak Shiksha Hetu Digital Technology ki Prasangikta	Frist author-Sangeeta Juyal, 2nd author- Dr. Raj Kumar	Education	Research Link

	Tripathi		
Pant Avam Mahadevi Varma ke Kaya Men Nirupit Manviya Saundrya : Tulnatmak Adhyayan	Dr. Raj Kumar Tripathi	Education	Research Expo
10. Pant Avam Mahadevi ka Kavya Darshan : Ak Tulnatmak Anushilan	Frist author- Premnath Pathak, 2nd - Raj Kumar Tripathi	Education	Resresearch J. of Art, Management and Social Science
Nirala ke kavya men Pratik Vidhan	Dr. Raj Kumar Tripathi	Education	
Utrakhand rajya mei Uchh madhyamiak staar par adhyanrat vidhyarthio ke samvagik budhi ka ling, sankaya evam board kek sandharb mei adhyan	Punetha Deepa, Mittal Kavita and Sapna Sharma	Education	International Journal of Applied Research, Peer Reviewed Journal, Refreed Journal, Indexed Journal
The Effect of M-learning Knowledge Management, Teacher Effectiveness and their Interaction on Pedagogic Performance	Tomar,Ruchi and Vinita, S. Gopalkrishnan	Education	International Education and Research Journal, Vol 3(2)
Effectiveness Of Integrated Teaching Programme On Problem Solving Skills	Singh, Priyanka and Vinita, S. Gopalkrishnan	Education	International Journal of Technical Research & Science, Volume 2 Issue 1
Effectiveness Of Questioning Responding Technique On Facilitation Of Speech Act Competence	Gopalkrishnan , Vinita, S. and Sunaina Bhutani	Education	International Journal of Research in Humanities, Arts and Literature, Vol. 5(5)
Effects of Web bas Tool on Academic Achievement in Reference to Social Intelligence amongst Grade XI Students	Monika Rani and Gopalkrishnan , Vinita, S.	Education	International Journal of Research in Science & Engineering Technology, Volume 5(IV)
Imparting Financial Literacy for smooth transition from cash to less cash economy	Pawandeep Kaur Bindra	Commerce and Management	Economic Challenger
“Study of Financial Habits of Investors”	Dr. Priyanka Vijay	Commerce and Management	ITM International Journal of Innovations in Science, Engineering & Management (IJISEM)
Does Financial Plan Impact Investment Decisions?	Dr. Priyanka Vijay	Commerce and Management	International Journal of Research Granthaalayah
Efficiency and unbiasedness in the Indian agriculture futures market	Prof. Harsh Purohit	Commerce and Management	CPAI Commodity Market Journal
Total span of farm work flow using Petri net with resource sharing	Kumawat, S., Purohit, G.N.	Computer Science	International Journal of Business Process Integration and Management

Task (Transaction) Allocation in Distributed Real Time Database Systems in Cloud Computing	C.K.Jha,Shaitan Ram Choudhary	Computer Science	IJTRD
Operational Evaluation of Network on Chip Topologies	C.K.Jha,Anna Kumar	Computer Science	IAETSDJARAS
Design and Implementation of Energy-Aware Hierarchical Clustering Technique of WSN for Improving network life	C.K.Jha,Meenakshi Yadav	Computer Science	IJASCSE
A Review, Based on Mobility Models	C.K.Jha,Arvind Shukla	Computer Science	IJSCT
Analysis of IoT Streaming Data using Modified New Pattern Mining Algorithm.	C.K.Jha,Monika Saxena	Computer Science	IJFRCSCE, January 2018
Analysis of Pollution Smart City Data using New Pattern Mining Algorithm.	C.K.Jha,Monika Saxena	Computer Science	IJERCSE, January 2018
Comparative study of conventional pattern mining algorithms on Internet of Things Data.	C.K.Jha,Momika Saxena	Computer Science	IJFRCSCE, December 2017
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Dropout Classification Through Discriminant Function Analysis: A Statistical Approach.	C.K.Jha,Ajit Jain	Computer Science	IGSRCSEITA, August 2017
A Novel Approach for the Extraction And Classification Of Tumor in MR Images of the Brain Via Principle Component Analysis and Kernel Support Vector	C.K.Jha,Meenakshi Pareekh	Computer Science	IJARCS
Dropout Classification through Discriminant Function Analysis: A Statistical Approach	Mr. Ajit Jain,Dr. C.K. Jha	Computer Science	International Journal of Scientific Research in Computer Science, Engineering and Information Technology © 2017 IJSRCSEIT
Towards Discriminant Function Analysis based Classification	Mr. Ajit Jain,Dr. C.K. Jha	Computer Science	IPASJ International Journal of Computer Science (IJCS)
A Framework for Machine Learning Based Multi Agent System	Dr. Archana Mangal	Computer Science	IOSR Journal of Computer Engineering (IOSR-JCE)
Early Detection Of Cholesteatoma Using	Khandakar Faridar	Computer Science	International Journal of Computer Technology &

Imagery Techniques - A Novel Approach	Rahman, Chetna Garg, Megha Bhadauria, Saurabh Mukherjee		Applications, Vol. 8(3)
Classical Image Segmentation Techniques for Detection of Anti-personnel Landmines	Khandakar Faridar Rahman, Saurabh Mukherjee	Computer Science	International Research Journal of Management Sciences & Technology, Volume 8, Issue 7
Performance Evaluation of Edge Detection Algorithms using Hough Transform on Images of Circular Objects	Khandakar Faridar Rahman, Saurabh Mukherjee	Computer Science	IPASJ International Journal of Computer Science (IJCS), Volume 5, Issue 10
Spatial Data Mining: An Effective Approach in Agriculture Sector	Hemlata Goyal, Chilka Sharma, Nisheeth Joshi	Computer Science	International Journal of Scientific Research and Reviews
Hybrid semi-blind image watermarking in redundant wavelet domain	Siddharth Singh, Vivek Singh Rathore, Rajiv Singh and Manoj Kumar Singh	Computer Science	Multimedia Tools and Applications
Hybrid NSCT domain multiple watermarking for medical images	Siddharth Singh, Vivek Singh Rathore and Rajiv Singh	Computer Science	Multimedia Tools and Applications
Web content adaptation using 2D bin packing algorithm	Neetu Narwal, Sanjay kr. Sharma, amit prakash singh	Computer Science	International Journal of Information technology
CONTENT BASED MULTISPECTRAL SATELLITE IMAGE RETRIEVAL SYSTEM USING HYBRID MODEL	Joshi, Chandani, G. N. Purohit, and Saurabh Mukherjee	Computer Science	International Journal of Advanced Research in Computer Sc
Content Based Multispectral Satellite Image Retrieval System Using Hybrid model of Low and High Level Feature Extraction Technique	Joshi, Chandani, G. N. Purohit, and Saurabh Mukherjee	Computer Science	International Journal of Computer Application
TID based data and task parallelism for frequent data mining	Swati Rustogi, Manisha Sharma, Sudha Morwal	Computer Science	Journal of Information and Optimization Sciences

Uniaxial strain induced optical properties of complex type-II InGaAs/InAs/GaAsSb nano-scale heterostructure	G. Bhardwaj, N. Yadav, S.G. Anjum, M.J. Siddiqui, P.A. Alvi	Physical Sciences	International Journal of light & electron optics: Optik (Elsevier)
Synthesis and Molecular Docking Studies of Some New Quinoxaline Derivatives as Potential Antimicrobial Agents	Mishra, Achal; Paliwal, Sarvesh; Sharma, Swapnil; Dwivedi, Jaya;	Chemistry	INDIAN JOURNAL OF HETEROCYCLIC CHEMISTRY
Optical gain tuning within IR region in type-II In <sub>0.5</sub> Ga <sub>0.5</sub> As <sub>0.8</sub> P <sub>0.2</sub> /GaAs <sub>0.5</sub> Sb <sub>0.5</sub> nano-scale heterostructure under external uniaxial strain	A.K. Singh, Amit Rathi, Md Riyaj, Garima Bhardwaj, P. A. Alvi	Physical Sciences	Superlattices and Microstructures (Elsevier)
Optimization of Type-II 'W' shaped InGaAsP/GaAsSb nanoscale-heterostructure under electric field and temperature	R. Dolia, G. Bhardwaj, A.K. Singh, S. Kumar, P.A. Alvi	Physical Sciences	Superlattices and Microstructures (Elsevier)
Near-edge X-ray absorption fine structure spectroscopy and structural properties of Ni-doped CeO <sub>2</sub> nanoparticles	Kavita Kumari, Ankush Vij, K. H. Chae, Mohd Hashim, Rezaq Naji Aljawfi, P. A. Alvi, and Shalendra Kumar	Physical Sciences	Radiation effects & defects in solids (Taylor & Francis)
Investigation of high optical gain in complex type-II InGaAs/InAs/GaAsSb nano-scale heterostructure for MIR applications	N. Yadav, G. Bhardwaj, S.G. Anjum, S. Dalela, M.J. Siddiqui, P.A. Alvi	Physical Sciences	Applied Optics (OSA, USA)
Effects of Variation of Quantum Well Numbers on Gain Characteristics of Type-I InGaAsP/InP Nano-heterostructure	Anjum, S. G., K. Sandhya, A. B. Khan, A. M. Khan, M. J. Siddiqui, and P. A. Alvi.	Physical Sciences	Bulletin of Electrical Engineering and Informatics
Theoretical investigation of $\delta$ -doped double barriers GaAs/AlGaAs RTDs at varying device geometry and temperature dependence	Man Mohan Singh, M. J. Siddiqui, and P. A. Alvi	Physical Sciences	Journal of new technology and materials
xAgI-(1-x)MPO <sub>3</sub> (M=Ag, Li) Superionic Composite Glasses and Their Current Issues	DP Singh, L Sowntharya, K Shahi, KK Kar	Physical Sciences	Composite Materials (Book Chapter)
Generalized Seniority States and Isomers in Tin Isotopes	AK Jain, B Maheshwari	Physical Sciences	Physica Scripta



Goodness of Generalized Seniority in Semi-magic Nuclei	AK Jain, B Maheshwari	Physical Sciences	Nuclear Physics Review
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Investigation of the optical and electrical characteristics of solution-processed poly (3 hexylthiophene) (P3HT): multiwall carbon nanotube (MWCNT) composite-based devices	Priyanka Rathore, Chandra Mohan Singh Negi, Ajay Singh Verma, Amarjeet Singh, Gayatri Chauhan, Anto Regis Inigo, Saral K Gupta	Physical Sciences	Journal of Materials Science: Electronics Materials (Springer)
Design & parametric analysis of band reject ultra (UWB) antenna using step impedance resonator	Singh, Tejbir, Heena Choudhary, D. V. Avasthi, and Vishant Gahlaut	Physical Sciences	Materials Research Express
Ab initio studies of structural, electronic, optical, elastic and thermal properties of CuGaTe <sub>2</sub>	Singh, P., Sharma S., Kumari, S., Saraswat, V. K., Sharma, D. Verma A S	Physical Sciences	Semiconductors
Study of ionospheric precursors using GPS and GIM-TEC data related to earthquakes occurred on 16 April and 24 September, 2013 in Pakistan region	D Pundhir, B Singh, OP Singh, SK Gupta, SP Karia, KN Pathak	Physical Sciences	Advances in Space Research 60 (9), 1978-1987
A morphological study of low latitude ionosphere and its implication in identifying earthquake precursors	D Pundhir, B Singh, OP Singh, SK Gupta	Physical Sciences	J. Ind. Geophys. Union (May 2017) 21 (3), 214-222
Transformation of type-II InAs/AlSb nanoscale heterostructure into type-I structure and improving interband optical gain	P A ALVI	Physical Sciences	Physica Status Solidi (B) Basic Research
Anisotropy and optical gain improvement in type-II	Singh, A.K., Riyaj,	Physical Sciences	Superlattices and Microstructures

In <sub>0.3</sub> Ga <sub>0.7</sub> As/GaAs <sub>0.4</sub> Sb <sub>0.6</sub> nano-scale heterostructure under external uniaxial strain	M., Anjum, S.G., (...), Siddiqui, M.J., Alvi, P.A.		
Application of Dabu Mud resist Printing and Indigo Dye on Khadi Fashion Accessories	Dr. Meghshyam Gurjar & Prof. Himadri Ghosh	Design	Naveen Shodh Sansar (An International Refereed /Peer Review Research Journal)
Innovation in traditional Namda Handicraft	Dr. Sharmila Gurjar & Prof. Himadri Ghosh	Design	Divya Shodh Samiksha
Tonk ke namda hastshilp aur boudhik sampda adhikar	Dr. Sharmila Gurjar & Prof. Himadri Ghosh	Design	Naveen Shodh Sansar
Manufacturing of yarn from some natural fibres of Himalayan origin and their blends	Dr. Sambaditya Raj	Design	Naveen Shodh Sansar
Bhakti sadhan sahitya me shrivigraho ke paridhano evam abhushan	Dr. Meenakshi Gupta & Aarti Shukla	Design	International Journal of Sanskrit Research
Presrvation of Oriental Jain Manuscripts in Rajasthan : A Study	Ms. Archana Choudhary & Mr. Anil Kumar Jain	Design	International Journal of Library Science
Khadi vastra utpadan vartman chunoutiya	Dr. Meghshyam Gurjar & Prof. Himadri Ghosh	Design	Naveen Shodh Sansar (An International Multidisciplinary Refereed / Journal)
Namda hastshilp : tonk ke vishesh sandarbh me	Dr. Sharmila Gurjar & Prof. Himadri Ghosh	Design	Divya Shodh Samiksha
Ashavali brocades from traditional to modern times	Dr. Meenakshi Gupta & Vishu Arora	Design	International Journal of Home Science
Uttarakhand ke vastrabhooshan	Dr. Meenakshi Gupta	Design	International Journal of Home Science
Aipan creative art of Kumao	Dr. Meenakshi Gupta	Design	International Journal of Home Science
Himalayan Nettle fibre and its Possibilities in Textiles: A Review	Dr. Sambaditya Raj	Design	Journal of the Textile Association (JTA),
Innovative adaptation of traditional kundan meena jewellery	Dr. Dushyant Dave	Design	IERJ
Inkjet Digital Textile Prints	Prof. Himadri	Design	International Journal of

Design : Simulation as Inspiration	Ghosh & Ms. Kislaya Choudyary		Textile and Fashion Technology (IJTFT)
Integration of processes : Emerging Design Thinking in Inkjet Textile Printing	Prof. Himadri Ghosh & Ms. Kislaya Choudyary	Design	Colourage The Magazine for Textile and Garment Processing
Evolution of moving images from mainstream to video art and further ahead.	Mr. Ritesh Kumar & Prof. Himadri Ghosh	Design	Divya Shodh Samiksha
Video art a new medium; Special reference to Indian artist	Mr. Ritesh Kumar & Prof. Himadri Ghosh	Design	Naveen Shodh Sansar
The Decorative Patterns in Indian Art and Architecture	Dr. Kingshuk Mukherjee	Design	Naveen Shodh Sansar (An International Refereed /Peer Review Research Journal)
Aesthetics sense of designing jewellery	Dr. Dushyant Dave	Design	DSS
Presrvation of Manuscripts in Rajasthan Oriental Research Institute, Jodhpur : An Investigation	Ms. Archana Choudhary & Mr. Anil Kumar Jain	Design	International Journal of Library Science
Mendh Printing: Traditional Art of Printing of Rajasthan	Dr. Neeraj Rawat Sharma & Suman Pant	Design	IOSR Journal Of Humanities And Social Science
Marwad ke rnivas me prachalit aabhushan	Dr. Meenakshi Gupta & Shivangi Gupta	Design	Global Academic Research Journal
Hindrances and challenges faced by traditional Mendh printing artisans of Rajasthan	Dr. Neeraj Rawat Sharma & Suman Pant	Design	International Journal of Home Science
Marwad ke rathore rajvansh ki veshbhusha	Dr. Meenakshi Gupta & Shivangi Gupta	Design	Naveen Shodh Sansar (An International Refereed / Peer Review Research Journal)
Discharge printing of khadi fabric with calcium bentonite clay and sodium hypochlorite	Bhargava Deepti	Home Science	Manmade Textiles in India,
Technology at point-of- Purchases – A journey from electronic cash registers to all inclusive point-of-purchase systems	Dr. Kingshuk Mukherjee	Design	Asian Journal of Applied Science and Technology

How to prepare the researcher for indigenous context: an integrative approach. International Journal of Indian Culture and Business Management, 17(2), 221-237.	Ankur Joshi	Commerce and Management	International Journal of Indian Culture and Business Management
Exploring indigenous concepts of public administration: Learning for leadership and governance, Int Research Journal of Indian Ethos & Wisdom for Management, 3(1), 32-37.	Ankur Joshi	Commerce and Management	International Journal of Indian Culture and Business Management
Current Scenario of Financial Inclusion in India- Post Financial Inclusion Drive	Ravisha Chutani	Commerce and Management	Journal of Advanced Research in Dynamical and Control Systems
Impact of Organizational Health and Job Satisfaction on Employee Retention:Evidence Based on Review of Literature.	Vandana Sharma	Commerce and Management	International Journal of Education and Management Studies
Imparting Financial Literacy for smooth transition from cash to less cash economy	Pawandeep Kaur Bindra	Commerce and Management	Economic Challenger
Comparative analysis of the Basel Accord: A Journey from Basel 1 to Basel 3	Dr. Nishtha Pareek	Commerce and Management	Sustainable Development in Digital Era: Issues and Challenges (VISION 2030)
“Study of Financial Habits of Investors”	Dr. Priyanka Vijay	Commerce and Management	ITM International Journal of Innovations in Science, Engineering &Management (IJISEM) Vol 1, issue 1, pp (1-10).
A Study on Employee Engagement and its Impact on Organization Effectiveness	Dr. Jitendra Singh Rathore	Commerce and Management	International Journal of Advanced scientific research and management
E-Branding: A Dynamic Tool for Advertising	Dr. Shikha Sigh	Commerce and Management	International Journal of economic challenger
Vedic Mathematics – India’s Opulent Benefaction	Dr. Shikha Sigh	Commerce and Management	International Journal of Mathematics Trends and Technology
Discharge printing of khadi fabric with calcium bentonite clay and sodium hypochlorite	Bhargava Deepti	Home Science	Manmade Textiles in India,
Amrita Sher Gill ka Bhavpurn kala sansar	Dr. Karuna	Visual Art	Vast & Vision
A review of high G-stress induced problems and their	Dr. Ritu Vijay	Physical Sciences	International Journal of Medical Engineering and

solutions			Informatics
A novel statistical perametric analysis of brain tumor images using contourlet transform and Fuzzy C-means clustering algorithm	Dr. Ritu Vijay	Physical Sciences	International Journal of Engineering Trends and Technology
Extraction of Brain tumor attributes usingContourlet Transform with geometric transform Invariant technique	Dr. Ritu Vijay	Physical Sciences	International Journal of Pure and Applied Mathematics
Analysis of polarized light generation in anisotropic strained quantum dots	Dr. CMS Negi	Physical Sciences	Journal of Computational Electronics 16 (3), 805-813, 2017.
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An AES-CHAOS-Based Hybrid Approach to Encrypt Multiple Images	Dr. Ritu Vijay	Physical Sciences	Recent Developments in Intelligent Computing, Communication and Devices
A novel algorithm weighted fuzzy spatial association rule mining (WFSARM) for wasteland reclamation	Dr. Seema Verma	Physical Sciences	Journal of Infomation and Optimization Sciences (Taylor & Francis Online)
Quality of life in breast cancer survivors in India: Factors and importance	Dr. Seema Verma	Physical Sciences	International Journal of Cancer Research Volume 13, Issue 2
Impact of post deposition annealing in $N_{\text{inf}} > 2$ ambient on structural properties of nanocrystalline hafnium oxide thin film	Dr. Seema Verma	Physical Sciences	Journal of Materials Science: Materials in Electronics
Electro-Physiology of Heart with ECG Signal Analysis	Mrs. Shivani Saxena	Physical Sciences	International Journal for Research in Applied Science & Engineering Technology
Process Simulation of Super Junction Power MOSFET	Mrs. Shivani Saxena	Physical Sciences	International Journal of Innovative Research in Science, Engineering and Technology
Single Junction and Dual Junction Thin Film Solar Cells	Mrs. Shivani Saxena	Physical Sciences	International Journal of Engineering Trends and Technology
Single Junction and Dual Junction Thin 'Film Solar Cells	Ms. Shalini Jharia	Physical Sciences	Intenuitional Journal of Engineering Trends and Technology (/JET7; - Volume 45 Number 6, PP-246 March 2017
Process Simulation of Super Junction Power	Ms. Shalini Jharia	Physical Sciences	International Journal of Innovative Research in



MOSFET			Science, Engineering and Technology Vol. 6, Issue 4, April 2017
Computer vision syndrome (CVS): Recognition and control in software professionals	Charpe Arora Namrata, Kaushik Vandana	Home Science	Human Ecology International interdisciplinary journal of Man Environment relationship
Effect of body posture on stress Experienced by worker	Charpe Arora Namrata, Kaushik Vandana	Home Science	Studies on Home and Community Science
A Review on attitudes towards puberty among adolescents girls	Suvidha, Choudhary Ravija	Home Science	International Journal of Scientific Research in Science and Technology
Elementary Education in Bharat (that is India): Insights from a Postcolonial Ethnographic Study of a Gurukul	Ankur Joshi	Commerce and Management	International Journal of Indian Culture and Business Management
Comparative analysis of the Basel Accord: A Journey from Basel 1 to Basel 3	Dr. Nishtha Pareek	Commerce and Management	Sustainable Development in Digital Era: Issues and Challenges (VISION 2030)
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We await your feedback...

Prof. Harsh Purohit,  
Coordinator, IQAC,  
Banasthali Vidyapith.  
Email: deanwisdom@banasthali.in

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