

65th Annual Day and Prize Distribution Ceremony

**Deshbandhu College
University of Delhi
Kalkaji, New Delhi-110019**

It gives me immense pleasure and honour to welcome our distinguished guests today at the 65th Annual Day and Prize Distribution Ceremony of our Deshbandhu College.

On behalf of entire Deshbandhu fraternity, I formally welcome our Guest-in-chief outstanding scientist **Dr R. K Sharma** Director of SSPL, DRDO, Govt. of India.

Professor Akhilesh K. Tyagi (Guest of Honour) :

Professor Akhilesh K. Tyagi, Professor and JC Bose National Fellow, University of Delhi South Campus, New Delhi and President, National Academy of Sciences, India is among the few Indian plant scientists who have ventured to bring together knowledge of molecular physiology, genomics, and transgenics to study, analyze and improve crop growth and yield. Prof Tyagi has delivered over 290 invited lectures and chaired over 50 sessions in national and international meetings. In addition, he is serving on Editorial Boards of internationally reputed journals, namely Transgenic Research, Molecular Genetics & Genomics, Rice, International Journal of Plant Genomics and Journal for Plant Biochemistry & Biotechnology.

At the University of Delhi, Professor Tyagi has served as Head, Department of Plant Molecular Biology, Chairman, Board of Interdisciplinary and Applied Sciences and Director, Interdisciplinary Centre for Plant Genomics. Besides serving on several Advisory Committees, he has been General Secretary, the National Academy of Sciences, India, Vice President, Indian National Science Academy, and Vice President of the Society for Plant Biochemistry and Biotechnology as well as the Chairman of DBTUGC Task Force on Human Resource Development and PAC Plant Sciences, DST.

He has been given JC Bose National Fellowship Award, National Bioscience Award, NASI Reliance Industries Platinum Jubilee Award in Biological Sciences, Bhasin Award for Science and Technology, BP Pal Memorial Lecture Award of NASI, Birbal Sahni Medal of IBS, Platinum Jubilee Lecture Award of ISCA, BN Chopra Lecture Award of INSA, BP Pal Memorial Award of ISCA and FC Steward Lecture Award of PTCA(I), among others. He is Fellow of the National Academy of Sciences, India, the Indian National Science Academy, and the Indian Academy of Sciences, the National Academy of Agricultural Sciences and The World Academy of Sciences. From 2009-2016, he served as Director, the National Institute of Plant Genome Research, New Delhi.

Dr Vinay Gupta (Special Guest)

- Professor and coordinator, M.Tech. Program in Nuclear Science and Technology
Department of Physics & Astrophysics, University of Delhi, Delhi-110 007, India

H C Chawla (Distinguished Alumni)

- Prof & Head & Coordinator Admissions at G. B. Pant University Of Agriculture & Technology
- Post Doc at Canada under DBT Overseas Associateship at Agriculture and Agri-Food Canada.
- DAAD-Post Doc at Germany. Deshbandhu College, Delhi Univ Bachelor of Science (B.Sc.), Biology, 1970 – 1973

Ph.D.(Physics): Delhi Univ.(May 1995)

- Expert Member for Physics, Expert committee of UGC for framing the syllabus along with schedule for Undergraduate courses under choice based credit system.
- Member (2013-16), Expert Advisory Group (EAG) for Sensor & Allied Instrumentation of IDP of DST.
- Member (2014-17), Scientific Advisory Committee of Inter-University Acceleration Centre (IUAC), Delhi.
- Vice Chairman (2015-), Semiconductor Society of India (SSI).

- Member advisory committee. Advanced Instrumentation research Facility, Jawaharlal Nehru Univ., Delhi
- Senior member, The Institute of Electrical and Electronics Engineer (IEEE), USA.
- Recipient of BOYSCAST Fellowship (2003) of Govt. of India for research abroad.
- Recipient of Young Scientist research grant (1995) from DST, Government of India.

Publications: 331 Papers (244-International Journals, 87-International conferences, 150-National conferences)

Dr. Subhash C. Kashyap (Governing Body Chairman)

is a former Secretary General of 7th Lok Sabha, 8th Lok Sabha and 9th Lok Sabha and Lok Sabha Secretariat (Lower House of Parliament of India) from 1984 to 1990. He is well known Political Scientist, expert in Indian Constitution, Constitutional Law, Parliamentary Experts and distinguished scholar. He also headed an International Centre for Parliamentary Documentation, IPU at Geneva till 1983. He was Honorary Constitutional Advisor to the Government of India on Panchayati Raj Laws and Institutions. He is also Recipient of several prestigious awards for the Best Books in Constitution, Law and Political Science. At present Dr. Kashyap is an Honorary Research Professor at the Centre for Policy Research (CPR), New Delhi. He was also a Member of the National Commission to Review the Working of Constitution and Chairman of its Drafting and Editorial Committee.

Cultural Society Activities

1. **Sharpshooters (photography society)** : Under the competent guidance of Mr Sawata Bhattacharya, asst Prof. Deptt of English the society member received a great in depth exposure to photographic activities winning 12 top awards across the university contests. Besides, it organized several photo walks and theoretical forums for students. In a historical first the members covered most of the college events providing dedicated and quality photographs for the institute throughout the year. This year the society has produced two book-albums, one on Sports Festival and another on annual cultural event Sabrang, 2017.

2. **D- Squad:(Dance Society)**

The society won 2 prizes in group dance and 5 prizes in solo dance performance and 4 prizes in duet dance competitions throughout year in different Colleges in Delhi University.

3. **Stageplayers-Deshbandhu Dramatics Society**

The society won 2 prizes in theatre events and 6 prizes for best actor/individual performances throughout year in different Colleges in Delhi University.

4. **Timbre- Music Society**

The society won 7 prizes in Indian group singing, 1 prize in band and a total of 48 prizes in solo/duet events this year in different Colleges in Delhi University.

5. **Quiz Society : Quizzards**

The society 6 prizes in different events throughout year in various Colleges in Delhi University.

6. **Oculis– Film Society**

The society won 10 prizes in best short film category and 1 prize for best story awardin different Colleges of Delhi University this year.

7. **Deshbandhu Dramatic Society- Street Play**

The society won 7 prizes in street play events and 3 prizes in other events in different Colleges of Delhi University this year.

8. **Dialecticians-English debating society**

The society won a total of 11 prize sin different Colleges of Delhi University this year.

9. Art Meisters: art and Craft society

The society won a total of 23 prizes in various sections of arts and craft in different Colleges of Delhi University this year.

Marketing society

Commenced in 2017,HYPE- The Marketing Society of Deshbandhu College has organised a couple of events under the guidance of faculty advisor Ms. Poonam Sharma (Associate professor, department of commerce).

A very successful event organised by HYPE was an "Internship Fair" on 3rd April 2017 where companies like LIC,Outlook Group, Sharekhan,Travel Triangle,Smaaash etc. participated. The success rate of the shortlisted candidates were 100+ students.It was done in partnership with Placement Cell Deshbandhu college.

Other events included a workshop on Entrepreneurship in partnership with Enactus Deshbandhu and also an event named Entrepreneurship challenge.

ECONOMICS: ECO ZEST

The Department of Economics successfully organized its annual festival “ECOZEST 17” on 15-16 FEB. 2017. Following Events were included in the same: Dezbater, Uddan (Street Play), Breaking Brands, Bet And Pad, Fifa’17, Quizeria, Vyapari Mandal, Treasure Hunt, Erudition (The Paper Presentation) & Photoplay. The festival witnessed wide participation from several colleges including SRCC, Sri Guru Gobind Singh College of Commerce, Maitreyi College etc.

STUDENTS’ UNION

The students union this year served with the full potency and proved to be extremely instrumental in all aspects. Be it inter-college events, seminars, functions, or the Annual fest-Sabrang, the sentiments and issues of students were taken up with utmost concern and sincerity. The students union stood up to the expectations of everyone well.

The union took up the issues of all the students of the college in general. Further, with the positive attitude and support of the administrative head of our college and our teachers of advisory board we performed extremely well and served the college to our capabilities.

NCC

NCC(Boys) Army Wing

NCC (Boys) team of DBC lead by the overall commander Mangal Choudhary and SUO Ashutosh Singh have been outstanding throughout the year 2016-17, both college and inter college level. Their guard and the drill team won about 25 prizes (First and second positions) in various colleges of Delhi University that include KMC, Zakir Hussain, Miranda, SBSC, PGDAV, Kalindi, Gargi, KNC, Dyal Singh, Motilal Nehru, Aurobindo, Ambedkar and in IP and Jamia as well. Additionally, some special achievements are as follows:

1. SUO Ashutosh participated in All India Camp Senior NIC Maharashtra
2. JUO Varun Pratap Singh has been selected for YEP KAZAKISTAN, participated in All India Thal Sainik Camp and won GOLD medal, is a RD Rajpath Holder, and is also awarded BEST CADET by DELHI DIRECTORATE.
3. CHM Hasrat Ali also completed his Republic Day camp and is a Rajpath contingent.
4. CPL Saurabh Singh and Cdt Harish participated in paraslithering and PM rally
5. Cdt Harish and Cdt Anil Bhardwaj are also RDC holders.

NCC (Girls) Army wing

NCC (Girls) team of DBC lead by SUO Jyoshita has also been working towards the same motive. In addition to the participation in college activities. The drill team of NCC girls led by commander JUO Preeti Devlal won prizes in Gargi, LSR, Hindu and Kamla Nehru colleges of Delhi University.

NCC Boys and Girls of DBC collectively organised an excellent annual fest of NCC "DESH-2017" and have been very active in the college activities that includes discipline at various events, piloting for the chief guests and maintenance of the college premises.

NCC Officer (Boys): Lt. (Dr.) Pramod Kumar

NCC In-charge (Girls): Dr. Vaishali Thakral

NSS

unit of Deshbandhu College has been proactive all through the academic year 2016-2017. The orientation for the fresh batch of NSS volunteers was held on 26/08/2016. A programme for

womenself defence and a Campus cleanliness drive was held in the same month. The team gave a NSS welcome to the NAAC team in September and NSS day was also observed in this month. Before the College went for a mid-semester break the NSS unit also celebrated Gandhi Jayanti and Cleanliness drive was held to mark the Swachh Bharat Abhiyan.

In the month of January a few volunteers of our college were a part of 'Samvidhan Live', an initiative of the NGO Pravaah in association with UNFPA. A two day workshop with Pravaah 'Window to NSS' was held on 2nd and 3rd February. A three day workshop by the organisation 'Social Actions Project' from 10-12 Feb was also held in the college.

On the national voters day the volunteers took an oath to be good citizens. An event for the YP Foundation was held on 27 Jan 2017. The NSS Unit organised a blood donation camp on 10/02/2017 in association with the Red Cross Society.

The NSS Fest was held on the 2nd and 3rd of March 2017 which ended with a Musical Concert "Vasudhev Kutumbakam". "Another workshop 'Action Project Workshop' was conducted by Pravaah in association with UNFPA from 31/3/2017 to 1/4/2017. A seminar on Public health was also held in this month. The unit is looking forward for more such events in the coming days of the session and the coming sessions as well.

Enactus Deshbandhu

ENACTUS DESHBANDHU came into existence under the guidance of Dr. Savita Singh (Head of department, Economics) in September 2016 with a goal of uplifting the weaker sections of our society and channelizing the energies of the young students in a positive direction. The achievements include Project Treya (Employment, Empowerment and Enrichment of Human Trafficking Survivors), Project Amartya (all-round development and upbringing of visually impaired women and acid attack survivors & Visit to "Rohingya refugees camp" (Sarita Vihar) with an aim to provide them basic sanitation facilities and education.

Enactus Deshbandhu organized two workshops: "BACHPAN BACHAO ANDOLAN" to make students aware about noble laureate Kailash Satyarthi's brainchild "100 Million for 100 Million" Campaign, to improve the life of 100 million unprivileged children by 100 million privileged students and an interactive session on Entrepreneurship with the director of "SHEROES" Ms. Avani Parekh.

Enactus Deshbandhu featured on World Is One News (WION), an international news entity with a global service in 37 countries on April 13, 2017. Zee media covered our projects and aired it on the channel Zee Business under "The Enactus India Show" on March 18, 2017.

Fiontraí Ecell

The Entrepreneurship Cell in the college was established on 30th September 2016 under the guidance of Dr. Sangita Singh with the aim of contriving the hidden talent of entrepreneurship among the college students.

The Cell has organized Educational visits like visit to NIESBUD, Awfis etc. and sessions with the startup tycoons in Delhi for the students of our cell in order to widen their knowledge of entrepreneurship. Also, the cell has carried out an inaugural fest which had created a buzz among the college students and received an overwhelming response from the students of the college.

MIND Body Awareness

A one day workshop focusing on "Mind-Body Connection and Health Awareness" through use of breath, body alignment integrating with STOTT Pilates and Aerobic workout was organized by Student Counselling Center at Multipurpose Hall Complex (erstwhile BCR) on October 7, 2016. Dr. Veena Ganju Convenor, Dr. Neelam Borwankar member, Dr. Manju Rani Chaudhary member and Dr. Preeti member of the Student Counseling Center were the organizers of the workshop.

Vivekananda Study Circle

Vivekananda Study Circle, Deshbandhu College celebrated Swami Vivekananda Jayanti and National Youth Day on 12th January 2017. On this auspicious occasion a programme was organized in the conference hall of the college. The key note address was delivered by Dr. Nityananda Agasthi on the theme of Indian Youth and Swami Vivekananda. A book stall was also setup for displaying literature on Swami Vivekananda published by Vivekananda Kendra, Kanyakumari.

PLACEMENT CELL

Placement cell of Deshbandhu College is actively working for career guidance and recruitment of the students. The Cell serves as a medium of interaction between students and the corporate world. It has always been a guiding force for the students and helped them to work on their skills, aptitudes, strengths and weaknesses.

The academic year 2016-17 was exceptionally good for us as we were successful in bringing some of the best organizations to campus and it's a matter of pride that more than 160 of our college students have been placed so far this year. At present almost all the students seeking jobs

after graduation have been offered with at least one job. Still many more companies are approaching for campus placement drive.

The Placement Cell conducts the following main activities in the college:

1. Placements for Final Year Students.
2. Internship placements for all students.
3. Career counselling seminar for students.

Training and Career Counselling Activities

1. Resume Building Workshop
2. GD &PI Workshop
3. Seminar and career counselling session conducted by Career Launcher (Young India Challenge)

On Campus Placement Drives

Brands like Concentrix, Coding Zen, Genpact, Teach For India, Asia paints, Royal bank of Scotland, Amazon, OYO Rooms, Uber etc came and offered high package jobs to all deserving students.

Faculty Members Dr. Kamal Kumar Gupta (Co-Ordinator), Associate Professor, Department of Zoology.

Department of Library

The Deshbandhu College Library has added new facilities/features in the year 2016-2017. These are followings:

- i. Installed CCTV Monitoring with 32 HD cameras inside the library at various locations to cover all the corners.
- ii. Installed two 40 inches LED's Screen at circulation counter for seeing the library transaction through Libsys.
- iii. Two Touch Screen Information Kiosk was installed for accessing the library database.
- iv. Upgraded the library software with Webopac facility.
- v. Created the e-facility for visually impaired students.
- vi. Air conditioned reading room facility with capacity of 100 students was established. And also established the air conditioned reading room facility for the teachers.
- vii. Restored the teachers information resource centre in the library
- viii. The stack –II shifted at ground floor for easy accessibility

- ix. Renovations of various sections of the library like Property counter, circulation counter, librarian's office, technical section, gents toilet, ladies toilets and aluminum partition at ground floor took place.

The college library also added 2476 books in its collection. It is worthy to mention that Digital Library of Deshbandhu College was inaugurated by Dr. Subhash C. Kashyap, The Hon'ble Chairman, Governing Body, Deshbandhu College on February 1, 2017. The library users are able to access E-Shodhsindhu, NLIST, Open Access E-resources and other useful e-resources through college website.

Superannuation of Teachers and non-teaching staff :

Teachers –

Dr MS Bhalla Associate Professor (Chemistry)

Dr Devender Singh Associate Professor (Zoology)

Dr Tanya Ojha Assistant Professor (Sanskrit)

Dr Manju Dewan associate Professor (Hindi)

Dr T M Thomas associate Professor (Economics)

Non-Teaching –

Sh Lalta Prasad (Library attendant)

Sh Satinder Singh Parmer (Lab Assistant, Chemistry) –expired

Sh Vinod Kumar (Safai kamarchari)--- expired

Department of Biochemistry

DEPARTMENT'S ACTIVITIES

2016-2017

1. Department organized a two day workshop, “National Workshop on Recent Trends in Biochemistry and Biotechnology, NRTBB-2016” on 21st and 22nd April 2016.
2. A one day picnic was organized to adventure island, Rithala on 28th January 2017.

3. A two days festival, “Biospark-2017” was organized on 27th and 28th March 2017.

Dr. Rajni Jain

Papers/Poster presentations in seminar/Conference:

1. Member, Organizing committee and Resource person in National Workshop on “Recent Trends in Biochemistry and Biotechnology” at Deshbandhu College, 21st and 22nd April, 2016.
2. Convenor of the departmental festival, Biospark-2017 organized on 27th and 28th 2017.
3. Convenor of the one day picnic at Adventure Island, Rithala on 28th Jan 2017 for students of department.

Dr. Kamana Singh

Books and journals with ISBN/ISSN numbers a book chapter on, “Women Empowerment through skill development”, edition 2015, published by Discovery Publishing House Pvt Ltd, New Delhi, ISBN 978-93-5056-7562.

Papers/Poster presentations in seminar/Conference:

1. Organized a national level workshop as convenor on the topic, “recent trends in Biochemistry and Biotechnology (NRTBB-2016) on 21st and 22nd April 2016.
2. Represented Department’s SWOC analysis report to NAAC peer team on 20th Sep 2016 as teacher In-Charge.

Dr. Preeti Karwal

Papers/Poster presentations in seminar/Conference:

Gave Oral presentation titled “Recent approaches in using transgenerational epigenetic effects as molecular indicators of exposure to environmental pollutants” in 2nd National Symposium on Environment: Greener future and Awareness held at Deshbandhu College, March 19, 2016.

Other Academic Achievements

Selected for participation in ‘Training Programme on Next Generation Sequencing’ held September 30 - October 1, 2016 at Centre for Science Education and Communication, University of Delhi.

Editor, Annual magazine of Department of Biochemistry, Biospark published in March, 2017.

Member, Organizing Committee, BIOSPARK-2K17, Annual fest, Department of Biochemistry held on 27th and 28th March, 2017 at Deshbandhu College.

Member, Organizing committee and Resource person in National Workshop on “Recent Trends in Biochemistry and Biotechnology” at Deshbandhu College, 21-22 April, 2016.

Dr. Vineeta Kashyap

Papers/Poster presentations in seminar/Conference:

1. Member, Organizing committee in National Workshop on “Recent Trends in Biochemistry and Biotechnology” at Deshbandhu College, 21st and 22nd April, 2016.
2. Member of the organizing committee of the two day departmental festival, “Biospark-2017” on 27th and 28th March 2017.

Dr. Prabha Arya

Papers/Poster presentations in seminar/Conference:

1. Member, Organizing committee in National Workshop on “Recent Trends in Biochemistry and Biotechnology” at Deshbandhu College, 21st and 22nd April, 2016.
2. Member of the organizing committee of the two day departmental festival, “Biospark-2017” on 27th and 28th March 2017.

Dr. Vanshika Lumb

Papers/Poster presentations in seminar/Conference:

1. Member, Organizing committee in National Workshop on “Recent Trends in Biochemistry and Biotechnology” at Deshbandhu College, 21st and 22nd April, 2016.
2. Member of the organizing committee and editorial board of the two day departmental festival, “Biospark-2017” on 27th and 28th March 2017.

Department of Botany

Inauguration of Botanical Society “Sanjeevani”

Society was formally inaugurated on 5th October, 2016 by Professor Arun Jagannath, Department of Botany, University of Delhi. On this occasion, in order to continue the pursuit of popularizing plant science and to generate interest among the students for the subject Professor Jagannath delivered an inspiring talk entitled “**Plant Biology: Science without Boundaries**”.

During the whole academic year the society was involved in various extra-curricular activities like rangoli, photography, plant identification, field trips, etc. A large number of students participated and displayed their talents in the events. The Society is going to organize its valedictory function on 20th April in which Professor K. S. Rao, Department of Botany, University of Delhi will deliver valedictory talk and release the annual magazine of the Botanical Society ‘Petals’. Prizes of the winners of different events will also be distributed.

Educational Excursions

During the year, students also participated in 4 educational excursions:

1. Three days Botanical excursion to Mcleodganj, Dharamshala in Himachal Pradesh.
2. One day botanical field trip to Botanic Garden of Indian Republic, Noida.
3. Four day educational excursion to Jim Corbett National Park, Uttrakhand.
4. Visit to National Bureau of Plant Genetic Resources.

Academic Achievements of Faculty

Dr Eklavya Chauhan

1. Delivered a lecture entitled “**Some Frequently Asked Questions in Classical Genetics**” at the CPDHE (UGC-HRDC), on 10th June 2016 during Refresher Course in Contemporary Studies, University of Delhi..
2. Delivered a lecture “**Very Innocent Questions in Genetics**” at the Kalindi College (University of Delhi) Golden Jubilee Botany Festival- Cyathium 2017, 15th February 2017.
3. Participated in Workshop on ‘**Biofertilizers**’ held at ZakirHussain Delhi College during 14th July 2016 to 16th July 2016, organized by Department of Botany, ZakirHussain College.

Dr. Meenakshi Prajneshu

Publications

1. NitiPathakBhaduri and MeenakshiPrajneshu (2016) Kuttu (Buckwheat): A promising staple food grain in our diet. Journal of Innovation for Inclusive Development, 1(1), 43-45. ISSN- 2456-4478
2. NitiPathakBhaduri, Meenakshi Prajneshu, Mansi Gaur, Sonia Suri (2016) Seed germination behaviour and preliminary screening of bioactive components in buckwheat

(*Fagopyrum spp.*). DU Journal of Undergraduate Research and Innovation, 2(1), 121-130. ISSN- 2395-2334.

3. **Conference Proceedings-** NitiPathakBhaduri and Meenakshi Prajneshu (2017): Buckwheat: A Therapeutically Underutilized Crop in Proceedings of National Conference on Pharmacognosy: Scope of phytochemically unexplored medicinal plants held at Zakir Husain Delhi College on 12th January 2017 (In press).

Workshop / Short course attended

- 1) Participated in Green Educators Network Knowledge Conclave organised by CSE at India Habitat Centre on 6-7th March, 2017.
 - 2) Attended National workshop on Medicinal Botany to Drug discovery held on 30-31st January, 2017 at Ramjas College, University of Delhi.
 - 3) Attended faculty training program in Research project management: Proposal to publication and beyond (FTP-RPM) held on 19th July, 2016 at Centre for Science Education and Communication, University of Delhi.
- Received **Certificate of Appreciation** for Innovation Project entitled “Food for future: Studies on nutritional value of kuttu (*Fagopyrum esculentum*) -a pseudocereal and efficacy of weed based botanicals against its Root-rot disease at the Research display held at Convocation ceremony on 19th November, 2016.

Poster Presentations

- 1) Study of bioactive components in buckwheat and *insilico* analysis of *fagopyritol synthase*: NitiPathakBhaduri, AsaniBhaduri, Meenakshi Prajneshu, FaranSalik, A. Ramlal, AwantikaKumari, Laxman, Mansi Gaur, Sonia Suri, Shaban Ahmad, Aman Sharma in National Seminar “Emerging Issues of climate change: Sustainability and Economic Implications” held at Sri Aurobindo College, 21-22 October, 2016 (**Best Poster Award**).
- 2) Bioactivity of Natural Products in kuttu seeds: Meenakshi Prajneshu, NitiPathakBhaduri, AwantikaKumari, Mansi Gaur in National conference in chemistry, environment and harmonious development held at India International Centre, 7-8th April, 2016.
- 3) Future prospects of *Fagopyrum esculentum* – a pseudocereal as functional food: NitiPathakBhaduri, Meenakshi Prajneshu, FaranSalik, A Ramlalin National conference in chemistry, environment and harmonious development held at India International Centre, 7-8th April, 2016.
- 4) *Fagopyrum esculentum* (Buckwheat)- Application of nanotechnology in kuttu agriculture: NitiPathakBhaduri, Meenakshi Prajneshu, ShilpiKhurana, Varsha Rani in National symposium on Nanobiotechnology held at TERI University on 31st March-1st April, 2016.

Dr. Veena Ganju

- Attended Third National symposium on “**Environment: Challenges Generation Next**” held on March 31st, 2017, organized by Department of Zoology, Deshbandhu College, University of Delhi.

Dr. Bela Bhatia

1. Participated in Workshop on ‘Biofertilizers’ held at ZakirHussain Delhi College during 14th July 2016 to 16th July 2016, organized by Department of Botany, ZakirHussain College.

2. Attended Third National symposium on “**Environment: Challenges Generation Next**” held on March 31st, 2017, organized by Department of Zoology, Deshbandhu College, University of Delhi.

Dr. Roshni Rajamohan Mathur

- 1) Attended National workshop on Medicinal Botany to Drug discovery held on 30-31st January, 2017 at Ramjas College, University of Delhi.
- 2) Attended Third National symposium on “**Environment: Challenges Generation Next**” held on March 31st, 2017, organized by Department of Zoology, Deshbandhu College, University of Delhi.

Dr. Dharmendra K. Mallick

1. Participated in Green Educators Network 2nd Knowledge Conclave organized by CSE at India Habitat Centre on 6-7th March, 2017.
2. Attended National Seminar on “Identifying and Avoiding Publishing in Predatory Journals: A lesson for Researchers” held on March 18, 2017 in Department of Botany, University of Delhi.
3. National conference in Chemistry: environment and harmonious development (NCC-2016) held during April 7-8, 2016 organized by Department of Chemistry, Shyamlal College, University of Delhi.
4. Attended Third National symposium on “**Environment: Challenges Generation Next**” held on March 31st, 2017, organized by Department of Zoology, Deshbandhu College, University of Delhi.

Poster presentation

1. Poster presentation entitled “**Phytoremediation: An effective tool for mitigating geogenic arsenic contamination.**” in National Symposium on Geogenic Contamination of Groundwater: Its impacts and Mitigation Strategies. held on 22nd April, 2016 at GCG, 2016, TERI University, New Delhi.
2. Poster presentation entitled “**Air Quality Index: an efficient tool to keep a check on rising air pollution in Delhi**” in International Conference on “Green Chemistry in Environmental Sustainability & Chemical Education”(ICGC-2016), held on 17-18th Nov, 2016 at Daulat Ram College, University of Delhi.
3. Poster presentation entitled “**Significance of traditional knowledge of medicinal plants in different parts of Uttarakhand**” in National Conference on Pharmacognosy: Scope of Phytochemically Unexplored Medicinal Plants” held on 12th Jan, 2017 at Deptt. of Botany, Zakir Husain College (morning), University of Delhi, New Delhi.

Publications: Books/Research articles/Reviews

1. Chapter entitled “**Significance of Avenue Trees as an indicators and scavengers of air pollution in metropolitan cities**” in Proceedings booklet of National Conference on “Environmental Concerns of 21st Century: Indian and Global Context” – organized by Zakir Husain College (evening), University of Delhi.

2. Chapter entitled “**Higher Plants as Indicator of Urban Air Quality**” in Proceedings booklet of National Conference on “Environmental Concerns of 21st Century: Indian and Global Context” – organized by Zakir Husain College (evening), University of Delhi.

Other academic achievements:

- Worked as an Principal Investigator in Innovation Project scheme 2015-16, DBC-311 entitled “**Unbeatable Air Pollution in Delhi: Trees for Rescue - A comparative study of different plant species to combat rising pollution in Delhi**” and guided college students.

Dr. Rajender Kumar Sharma

- **Research publications**

Rajender Kumar Sharma and Shashi Sharma (2016). Seed longevity, germination and seedling vigour of *Rheumastrale* D. Don.: A step towards conservation and cultivation. *Journal of Applied Research on Medicinal and Aromatic Plants* (Elsevier 2214-7861doi.org/10.1016/j.jarmap.2016.10.004, In press)

Dr. Aparna Nautiyal

Seminars/Conferences of the National/International level:

1. Participated in 2nd Knowledge Conclave for Colleges and Universities Organized by Centre for Science and Environment, Green Educators Network, New Delhi on March 6-7, 2017.
2. Participated in “National workshop on Medicinal Botany and Drug Discovery” organized by Ramjas College, University of Delhi on 30-31st Jan, 2017.
3. Participated in Faculty Development Programme on Ecology, organized by Hansraj College, University of Delhi on 12-13th December, 2016.
4. Participated in India International Science Festival, Young Scientists Meet, 8-10th December, 2016, NPL, Pusa, New Delhi.
5. Participated as a Jury member in Judging “INSPIRE SCIENCE PROJECTS” of Schools across all over India at India International Science Festival (IISF), 10th December, 2016, NPL, Pusa, New Delhi.

Paper presentation/poster

1. Poster presentation entitled “**Phytoremediation: An effective tool for mitigating geogenic arsenic contamination.**” in National Symposium on Geogenic Contamination of Groundwater: Its impacts and Mitigation Strategies. held on 22nd April, 2016 at GCG, 2016, TERI University, New Delhi.
2. Poster presentation entitled “**Air Quality Index: an efficient tool to keep a check on rising air pollution in Delhi**” in International Conference on “Green Chemistry in Environmental Sustainability & Chemical Education”(ICGC-2016), held on 17-18th Nov, 2016 at Daulat Ram College, University of Delhi.
3. Poster presentation entitled “**Significance of traditional knowledge of medicinal plants in different parts of Uttarakhand**” in National Conference on Pharmacognosy:

Scope of Phytochemically Unexplored Medicinal Plants” held on 12th Jan, 2017 at Deptt. of Botany, Zakir Husain College (morning), University of Delhi, New Delhi.

4. Poster presentation in **2nd National Conference on “Environmental Concerns of 21st Century: Indian and Global Context”** held on 29-30nd March, 2017 at Zakir Husain College (evening), University of Delhi, New Delhi.

Publications: Books/Research articles/Reviews

1. Chapter entitled **“Significance of Avenue Trees as an indicators and scavengers of air pollution in metropolitan cities”** in Proceedings booklet of National Conference on “Environmental Concerns of 21st Century: Indian and Global Context” – organized by Zakir Husain College (evening), University of Delhi.
2. Chapter entitled **““Higher Plants as Indicator of Urban Air Quality””** in Proceedings booklet of National Conference on “Environmental Concerns of 21st Century: Indian and Global Context” – organized by Zakir Husain College (evening), University of Delhi.
3. Chapter entitled **“Exploring the medicinal potential of a commonly occurring weed plant – *Euphorbia hirta*“** in the Proceedings booklet of National Seminar on Innovative, Advance Research in Bio-medical and Environmental Dynamics, Deptt of Chemistry, Dyal Singh College, University of Delhi.
4. Chapter entitled **“CALOTROPIS PROCERA: A MAGICAL WILD PLANT WITH BLESSINGS IN HUMAN BIOLOGICAL SYSTEM“** in the proceedings of National Seminar on Innovative, Advance Research in Bio-medical and Environmental Dynamics, Deptt of Chemistry, Dyal Singh College, University of Delhi.

Other academic achievements:

- Worked as an Principal Investigator in Innovation Project scheme 2015-16, DBC-311 entitled **“Unbeatable Air Pollution in Delhi: Trees for Rescue - A comparative study of different plant species to combat rising pollution in Delhi”** and guided college students.
- Worked as a Nodal Officer for Innovation projects in College

Dr Kumar Shantanu

- Successfully completed with Grade ‘A’ **“Basic Mountaineering Course – 244 at Nehru Institute of Mountaineering”** from September 13, 2016 to October 10, 2016.
- Contingent Commander of Senior Division Cadets of 1Delhi Air Sqn(Flg) NCC in All India Vayu Sainik Camp from October 15, 2016 to October 26, 2016 at Jodhpur.
- Attended **“National Workshop on Ecology: Modern Perspectives”** from December 12, 2016 to December 13, 2016 and as member of the Panel Discussion on recent challenges in teaching the subject.
- Attended **“International conference and outreach program on ‘Environment & Ecology: Sustainability and Challenges’ (ENCON 2017)”** from January 2, 2017 to January 4, 2017 at New Delhi.

- Successfully completed “STEM teacher training workshop on Research Based Pedagogical Tools (Level-1)” held from January 23, 2017 to January 25, 2017 at Indian Institute of Science Education and Research, Mohali (India).
- Successfully completed “STEM teacher training workshop on Research Based Pedagogical Tools (Level-2)” held from March 1, 2017 to March 4, 2017 at Indian Institute of Science Education and Research, Pune (India).

Dr Madhu Rani

Participated in Green Educators Network 2nd Knowledge Conclave organized by CSE at India Habitat Centre on 6th-7th March, 2017.

Ms. Sunita Malik

Research Publication

- 1) nMAT4, a maturase factor required for nad1 pre-mRNA processing and maturation, is essential for holocomplex I biogenesis in *Arabidopsis* mitochondria. The Plant Journal/1365-313X/1-16
- 2) Group II introns of mitochondria and nuclear encoded maturases proteins. The International Journal of Science and Technoledge/2321-919X/204-211
- 3) Tissue expression studies in nuclear maturases in *A. thaliana*. The International Journal of Science and Technoledge/2321-919X/212-215
- 4) Cholinesterases in *Arabidopsis thaliana*. International Journal of Innovative Research and Development/ 2278-0211
- 5) NMAT2A and NMAT2B genes are required for splicing of mitochondrial group II introns in *Arabidopsisthaliana*. National conference on advancement in convergence of technologies, Amity University, Haryana

Conferences and Symposiums

- Attended Third National symposium on “**Environment: Challenges Generation Next**” held on March 31st, 2017, organized by Department of Zoology, Deshbandhu College, University of Delhi.

Dr. Anju K. Chhibbar

Attended National seminar on “**A Paradigm Shift towards empowerment**” held on February 3rd-4th, 2017, organized by Department of Botany, Kalindi College, University of Delhi.

MsAnjana Singh

Participated in Green Educators Network 2nd Knowledge Conclave organized by CSE at India Habitat Centre on 6-7th March, 2017.

Dr.Niti Pathak Bhaduri

Publication

1. **Niti Pathak Bhaduri** and MeenakshiPrajneshu (2016) Kuttu (Buckwheat): A promising staple food grain in our diet. *Journal of Innovation for Inclusive Development*, 1(1), 43-45. ISSN- 2456-4478
2. **Niti Pathak Bhaduri**, MeenakshiPrajneshu, Mansi Gaur, Sonia Suri (2016) Seed germination behaviour and preliminary screening of bioactive components in buckwheat (*Fagopyrum spp.*). *DU Journal of Undergraduate Research and Innovation*, 2(1), 121-130. ISSN- 2395-2334.
3. **Conference Proceedings- Niti Pathak Bhaduri** and MeenakshiPrajneshu (2017): Buckwheat: A Therapeutically Underutilized Crop in Proceedings of National Conference on Pharmacognosy: Scope of phytochemically unexplored medicinal plants held at Zakir Husain Delhi College on 12th January 2017 (In press).

Workshop / Short course attended

1. Participated in Green Educators Network Knowledge Conclave organised by CSE at India Habitat Centre on 6-7th March, 2017.
 2. Attended National workshop on Medicinal Botany to Drug discovery held on 30-31st January, 2017 at Ramjas College, University of Delhi.
 3. Attended faculty training program in Research project management: Proposal to publication and beyond (FTP-RPM) held on 19th July, 2016 at Centre for Science Education and Communication, University of Delhi.
- Received **Certificate of Appreciation** for Innovation Project entitled “Food for future: Studies on nutritional value of kuttu (*Fagopyrum esculentum*) -a pseudocereal and efficacy of weed based botanicals against its Root-rot disease at the Research display held at Convocation ceremony on 19th November, 2016.

Poster Presentations

1. Study of bioactive components in buckwheat and *insilico* analysis of *fagopyritol synthase*: **Niti Pathak Bhaduri**, AsaniBhaduri, MeenakshiPrajneshu, FaranSalik, A. Ramlal, AwantikaKumari, Laxman, Mansi Gaur, Sonia Suri, Shaban Ahmad, Aman Sharma in National Seminar “Emerging Issues of climate change: Sustainability and Economic Implications” held at Sri Aurobindo College, 21-22 October, 2016 (Best Poster Award).
2. Bioactivity of Natural Products in kuttu seeds: MeenakshiPrajneshu, **Niti Pathak Bhaduri**, AwantikaKumari, Mansi Gaur in National conference in chemistry, environment and harmonious development held at India International Centre, 7-8th April, 2016.
3. Future prospects of *Fagopyrum esculentum* – a pseudocereal as functional food: **Niti Pathak Bhaduri**, MeenakshiPrajneshu, FaranSalik, A Ramlalin National conference in chemistry, environment and harmonious development held at India International Centre, 7-8th April, 2016.
4. *Fagopyrum esculentum* (Buckwheat)- Application of nanotechnology in kuttu agriculture: **Niti Pathak Bhaduri**, Meenakshi Prajneshu, Shilpi Khurana, Varsha Rani in National symposium on Nanobiotechnology held at TERI University on 31st March-1st April, 2016

Ms. Rubina Chongtham

Research publication

“Evaluation of different hosts and laboratory conditions for rearing of the Mustard aphid (*Lipaphiserysimi*) and their use for screening of aphid-resistance transgenic plants. *Vegetos*, India ISSN 2229-4473. (Accepted)

Department of Chemistry

Chemical Society Organized Annual Festival Resonance 2017.

In 2017 department organized two invited talks were organized : 9th March Title: "Energy security & climate change issue of hydrocarbon sector"

Dr. J. S. SHARMA General Manager (Chemistry) and Head Environment Division, Oil and Natural Gas Corporation Ltd. (ONGC), New Delhi, India delivered a wonderful lecture in the field of energy resources. He has not only highlighted the current status of energy in the country, and educated us by showing the data that how the non-renewable hydrocarbons affect the climate and what are the options to get cleaner and better energy resources. Indeed, it was an exquisite lecture.

Invited Talk-2 on 9th March

Title: Use of reverse vaccinology approach for the vaccine development against group Streptococcus which cause high mortality rate in Neonates by Atul Kumar Johri Professor School of Life Sciences Jawaharlal Nehru University Presently Director, UGC- HRDC JNU New Delhi.

In Resonance 2017 various intercollege events like Mini-Militia, Eco-Friendly Kolam, Chemical Scavanger, Brainiac, Chemical Bidding, Chem Crown were held on 9th and 10th of March 2017. Annual festival Resonance ensures the scientific development of its students inside and outside college premises by organizing seminar, lab based activities, power point presentations, poster making competitions etc. Here they get chance to show their skill based talent.

Faculty Achievements

Dr. Brajesh Kumar :

Chairperson at UGC sponsored seminar on “Recent innovations in Chemical Science and Environment Technology” held from 3rd March 2017 to 4th March 2017 at Sri Aurobindo College, University of Delhi.

Chaired a technical session in national Seminar on “Emerging Economics and Challenges to Sustainability towards Developing Nation” held from 29th March 2016 to 30th March 2016 at Sri Aurobindo College, university of Delhi.

Dr Ruby Mishra

- Pharmaceutical Organic Chemistry, Published by Thakur Publishers, Pune, September 2016 chapter on " Effects of cosmetics and Perfumes on our health and environment" in a book on Biomedical and Environment 2016 ISBN no-978818030-479-8 by campus Book International.
- Organized One day seminar on “Understanding the Nationalism” on 11th august 2016 in association with extension lecture committee.

Bhabani Shankar

- Organized One day seminar held on April 11, 2017 on occasion of 126th Birth Anniversary celebration of Dr. B.R. Ambedkar organised by Deshbandhu College SC/ST Teachers Welfare Society

Dr. Pratibha Kumari

- **DST-SERB: Start-up Research Project** Titled “Synthesis of novel calixarenes functionalized magnetite (Fe₃O₄) nanomaterials and their potential applications in waste water treatment: “Little solution to big problems” 2016-2019

Umesh Kumar :

- Silver chalcogenide nanoparticles for their catalytic and biomedical applications (DST-303/2015-16) University of Delhi
- Ni(II)/Co(II) complexes with *O*-/*N*-donor ligands for their supramolecular architectures and catalytic activities. UGC, New Delhi
- Acridine Based (S,N,S) Pincer Ligand: Designing of Silver(I) Complexes for the Efficient Activation of A³(Aldehyde, Alkyne and Amine) Coupling. Prakash, O.; Joshi, H.; Kumar, U.; Sharma, A. K. ; Singh, A. K. Dalton Trans. **2015**, 44, 1962–1968.
- Worked as Project Scientist at Department of Chemistry, **Indian Institute of Technology** Delhi, Delhi-110 016 (19.07.2012–18.07.2015) under **Fast Track Young Scientist Scheme** awarded by DST New Delhi

Dr Sanjay Kumar

- Study towards the evaluation of leaching behavior Of Zineb Fungicide in *International Journal of Environmental Sciences* Volume 6, No 5, 2016. ISSN 0976-4402.

Dr Gajendra Singh

- Gajendera Singh, AmitKumar , Leelavati , K.K. Sharma , AjayKumar ,Shikhar Tyagi, “structure and synthesis of some imidazole derivatives containing 2-(4-chlorophenyl)-4, 5-diphenyl imidazole moiety as anti-inflammatory and antimicrobial agents” *Heterocyclic Letters* , 2015, Vol. 5: (2), 205-212
- **Gajendera Singh**, Hemant Kumar,UditSoni, ShikharTyagi, KritikaAggarwal, Kavita Verma, Sumit Kumar, “comparison of urate-lowering efficacy and safety of febuxostat and allopurinol in gout patients” *Heterocyclic Letters* , 2016, Vol. 6: (1), 133-147
- Hemant Kumar, Arvind Kumar, Devendra Kumar Gangwar, Prabin Kumar, **Gajendra Singh and Udit Soni**, “Potential Application of Gold Nanostructures in Photodynamic Therapy” **Journal of Nanomedicine & Nanotechnology**, 2016 vol.7:(1), 1-4
- **Rishi Kumar,Gajendra Singh**” synthesis and spectral characterization of lanthanide metal complexes of Schiff Bases--” ACTA CIENCIA INDICA,2016 vol.2,59-62

Dr. Parul Singh

- Kaveri Gambhir, **Parul Singh**, Deepak K. Jangir, RanjanaMehrotra, Thermal stability and hydration behavior of ritonavir sulfate: A vibrational spectroscopic approach, *Journal of Pharmaceutical Analysis*, 5 (2015) 348–355

Dr. Seema Lal

- In vitro prolonged gastric residence and sustained release of atenolol using novel clay polymer nanocomposite. Seema Lal and Monika Datta, *Applied Clay Science*, 2015, 114, 412-421.
- Delivery vehicle for the oral administration of Insulin: Development of Montmorillonite PLGA nanocomposites as drug delivery vehicle. Seema Lal and Monika Datta,ScientificTracks Abstracts: J Pharm Drug Deliv Res DOI: 10.4172/2325-9604.C1.008
- **Young Research Forum Award** attributed in recognition of research paper quality novelty and significance in 9th World Drug Delivery Summit held at Crown Plaza, New Orleans, Louisiana state, USA 30 June -2 July 2016.
- **DBT travel grant award** to present a research paper in 9th World Drug Delivery Summit held at Crown Plaza, New Orleans, Louisiana state, USA 30 June -2 July 2016.
- **Post Doctoral Research Fellowship for women candidates**,sponsored by University Grants Commission (UGC), India, during session 2014-2015.

Dr. Shilpi Khurana

- A Review on Biologically Active Triterpene Lupeol and Ursolic Acid Present Together In *CARISSA CARANDAS*; ANUŚĪLANA, Vol. LXIII, Year 2015, ISSN 0973-8762
- Role of *FICUS RELIGIOSA* In Medicine - A REVIEW; PARIPREKŪNYA, Vol. XVII, Year 2015, ISSN 2278-0602.

Dr. Sushila Singhal

- Book : Gelation of DNA base, Silicon and Polyvinylpyrrolidone, Lambert Publishing House, Germany. from 18th may to 25th June 2015 (six weeks)
- Supervised Dr. Reena on “Preparation of Biodegradable and antipollutant polymeric blends by using adsorption and absorption techniques” in September, 2016

Dr. Ishwer Dutt

- “Organic Chemistry Volume-2”, Manakin Press, Okhla, New Delhi, ISBN: 9789384370619

Dr. Madhuri Goyal

- Associated with **Educational Multimedia Research Centre (EMRC)**, Roorkee, under the flagship of (CEC) New Delhi, for the **development of E-content under NME-ICT** project for undergraduates on the basis of UGC model curriculum in Chemistry and Industrial chemistry.
- Nominated by **CBSE as an expert** to revise, edit, and to enhance the quality of the content of Subject Chemistry for **UDAAN classes** conducted by the CBSE

Dr. Deepti Gupta

- Associated with developing e-content of Class XI, for UDAAN, CBSE

Dr. Archana Milhotra

- Written e-modules for PG in EPG Pathshala: NMEICT & UGC 2015-16

Dr. Sunita Sawaria

- **Patent** : Srivastava R. K. Nandan B. Kankariya N.; Sanwaria S. Pal J. Solvent free process of making a three dimensional porous scaffold. Indian Patent 847-DEL-2013

Dr. Vivek Saxena

- Worked on Gold-nano-particles electro-deposition over pencil graphite electrode using chrono-potentiometry galvanostatic method -characterization by catalytic electro-

oxidation of glycerol, SEM and EDAX techniques”, under the supervision of **Dr. Rama Kant**, Department of Chemistry, **University of Delhi**, 21st Jan 2015 – 21st Jan 2016

Dr. Manju Rani Chaudhary

- **Indian Gooseberry (Amla)** An article published in the Souvenir of Sarbojini Durga Puja Samiti, Shipra Riviera, Indirapuram, Ghazibad (2015) - Translated from Brihad Anuvad Chandrika
- **Lotus Flower (Kamal)** An article published in the Souvenir of Sarbojini Durga Puja Samiti, Shipra Riviera, Indirapuram, Ghaziabad (2016)- Translated from Brihad Anuvad Chandrika

Dr Aparna Shekhar

Paper Presented:

- Novel Nanoherbal Formulation Strategies: A New Paradigm for Improving Targeted Drug Delivery System BIOTIKOS 2016 National Symposium on Nano biotechnology 31st March – 1st April 2016 TERI University
- Nanotised Herbal Drugs in Cancer therapy: A green approach to Nanotechnology National Conference in Chemistry “ Environment & Harmonious Development” April 07-08, 2016 Department of Chemistry, Shyamlal College, Delhi University
- Eco-Friendly Synthesis of Silver and Gold Nanoparticles: An Overview National Conference in Chemistry “ Environment & Harmonious Development” April 07-08, 2016 Department of Chemistry, Shyamlal College, Delhi University
- Worked as Principle Investigator in Innovation project DBC 311
- Attended Orientation program OR-84 conducted by CPDHE University of Delhi from 20th May 2016 to 17th June 2016

Department of English

Department of English held its new edition of annual fest “**Carpe Diem**” on 17th and 18th February, 2017 under the convenorship of Mr. Saswata Bhattacharya. On this occasion distinguished artist **M. Radhakrishnan** delivered shared her ideas on art and creativity. The two-day long fest witnessed an overwhelming participation from students of various Delhi university colleges.

Department of Hindi

DR. BIKRAM SINGH-

1. 'JALWA'- A SHORT STORY PUBLISHED IN HANS, OCT. 2016, ISSN NO.2454-4450.
2. VISHWANATH TRIPATHI KA SAHITYA VIVEK, ANBHAI SANCHA, JULY-DEC.2016, ISSN 2347-8454.
3. CHARON TARAF BIKHARTE HUE- CHAPTER IN BOOK, ANAMIKA PRAKASHAN, ISBN NO 978-81-7975-657-7, EDITION-2017.

DR. LALIT MOHAN-

1. 'DALIT SAHITYA KA SAHITYASHASTRA: MOOLYANKAN KI KASOTI'. PUBLISHED IN 'SAMKALEEN SARIJAN' JANUARY-JUNE-2016, ISSN NO. 2320-5733.
2. 'AATMKATHA, AATMKATHATMAK SHAILE AVM SAHITYIK VIDHAYEN' PUBLISHED IN 'SAMKALEEN SARIJAN',JULY-SEPTEMBER-2016, ISSN NO.2320-5733.
3. AVADHARNA KI SEDHANTIKE: DALIT SAHITYA KE PARIPREKSHYA MAIN. PUBLISHED IN 'VAAC SUDHA' ANK OCTOBER-DECEMBER2016, ISSN NO.2347-6605.
4. 'DALIT SAHITYA: AWADHARNA VISHLESHAN' PUBLISHED IN VAAC SUDHA, OCTOBER-DECEMBER-2016, ISSN NO.2347-6605.
5. CHETNA AUR DALIT CHETNA, PUBLISHED IN PARISHEELAN, OCT.-DEC.-2016. ISSN NO.0974-7222.
6. DALIT SAHITYA KE AAYAAM, UNIVERSAL REVIEW, JULY-DEC.2016. ISSN NO.2277-2723.
7. DALIT AALOCHANA AUR KAVYASHASTREYA AVM SAHITYIEK PARAMRA, PUBLISHED IN SAMSAYEK SARIJAN, OCT.-MARCH-2017(SAYUNKTANK) , ISSN NO2320-5733.
8. DALIT ASMITA : EKVACHAN YA BAHUVACHAN PUBLISHED IN HANS.

DR. MANOJ KUMAR SINGH

1. VISTHAPAN KE BAYAN PUBLISHED IN PAKHI , FEB.-2016, ISSN NO. 2393-8129.
2. DOOSRI PARAMPARA: VIRODH NAHI VIKALP PUBLISHED IN BAHUVACHAN, JULY-DEC-2016. ISSN NO.2348-6260.
3. AAPNE KAHI GANGA KE JAYE KO DEKHA PUBLISHED IN UDH BHAVANA, SEPT.-OCT.-2016, ISSN NO. 2348-6260.
4. HINDI AALOCHANA : VASTUVADI SAROKARON KI PAHCHAN, PUBLISHED IN ANBHAYA SANCHA, JULY-DEC.2016, ISSN NO.2347-8454.

5. JANPAKSHDHARTA AUR SAMVEDNATMAK VISTAR KA VAYKTIV, PUBLISHED IN SAMAYIK SARASWATI, OCT.-DEC.2016, ISSN NO.2454-2911.
6. HAMARA JANTANTR AUR MITHILESH SHRIVASTAV KI KAVITAYEN, BOOK EDITED, SHILPAYAN-2017, ISBN NO.978-93-8160-90-9.
7. BHAKTI ANDOLAN AUR RAMVILAS SHARMA, MADHYAKAAL EK POONARMOOLYAKAN, CHAPTAR IN BOOK, EDITION 2017. ISBN NO.978-93-86113-24-5.

MR. ANUJ KUMAR RAWAT

1. SRILAL SUKL KA UPANYASETTAR SAHITYA, PUBLISHED IN VAAK SUDHA, MAY-JUNE 2016, ISSN NO2347-6605.

MR. CHHOTU RAM MEENA.

10. AADIWASHI ASHMITA KA SANKAT - A CHAPTAR IN BOOK,SWARAJ PRAKASHAN, ISBN NO.978-81-928054-2-9, EDITION-2016.
11. YAYAWAR KE SATH YATRA KA ANUBHAV, PUBLISHED IN PUSTAK-VARTA, ANK -64, MAY-JUNE 2016. ISSN NO. 2349-1809.
12. UTPIDAN SE PRATIRODH KE SANSKRITI, PUBLISHED IN HASIYE KI AAWAJ, ANK-02, FEB.-2017.ISSN NO. 2277-5331.
13. BAJAR MAIN YAYAWAR, PUBLISHED IN APANI MATI E –PATRIKA, ANK 24, MARCH-2017,ISSN NO.2322-0724.
14. A PAPER IN INTERNATIONAL CONFRENCE KALINDI COLLEGE DWARA AAYOGIT , 9-10 MARCH 2017.
15. A LECTURE ON DR. AMBEDKAR : EDUCATIONIST AND SOCIAL REFORMER, IN GAZIABAD AT PRATAP VIHAR DATE APRIL16, 2017.

Department of Zoology

Innovation Research Projects Completed: Team of the faculty members and students of Zoology Department successfully completed following innovation projects.

- DBC 302: Recycling of Organic Matter Coming from Religious Activities to Save Water Bodies of Delhi.
- DBC 303: Silver Chalcogenide Nanoparticles for their Catalytic and Biomedical Applications.

- DBC 304: Microwave Assisted Synthesis of Potent Metal Complexes of Schiff Bases Derived from Carbazole Moiety : A Green Approach
- DBC 305: The Impact of Lifestyle Change during Adolescence on Lifestyle Chronic Diseases.
- DBC 312: Optimizing Condition for the Synthesis of Nanofiber from Block Copolymers by Self-Assembly Approach

National Symposium Organized

- ‘Third National Symposium on Environment: Challenges Generation Next’, organized on March 31, 2017 at Deshbandhu College

Chimaera 17

The Zoological Society, Department of Zoology, organized Annual Festival “Chimaera 17” on March 1, 2017 with the enthusiastic participation of the students from different Colleges of the University of Delhi, other universities in NCR, Medical colleges and I.I.T. Delhi. Many events were organized which witnessed the active and enthralling participation of the students.

Zoology Department Excursion Tour

Department of Zoology organized excursion tour to Goa for the students of B. Sc. (H). The purpose of the education trip was to study Marine biology, Biodiversity and Ecology.

CUBE (Collaborative Understanding of Biological Education) - TIFR (Tata Institute of Fundamental research) Mumbai for Deshbadhu College Unit of Delhi University.

Dr. Ranjana Seth

Associate Professor

Department of Zoology

- **International Project:**
Successfully completed an International IAEA Research Contract No. 15852/RB, entitled, “Development of generic irradiation doses for phytosanitary treatment of mealy bug spp. infesting agricultural commodities”, under IAEA CRP D62008, “*Development of generic irradiation doses for quarantine treatment*”, with receipt of grant of Euros 40,000 for (2009-2016).
- **Research publication**

- 1) Seth, R.K. Zarin, M., Khan, Z. and **Seth, Ranjana**. 2016. Ionizing radiation as a phytosanitary treatment against *Phenacoccusolenopsis*(Hemiptera: Pseudococcidae). *Florida Entomologist* 99(sp2): 76-87
- 2) **Seth, Ranjana**. Zarin, M., Khan, Z. and Seth, R. K. 2016. Towards phytosanitary irradiation of *Paracoccusmarginatus*(Hemiptera: Pseudococcidae): Ascertaining the radiosensitivities of all life stages. *Florida Entomologist* 99(sp2): 88-101
- 3) **Seth, Ranjana**. Zarin, M., Khan, Z. and Seth, R. K. 2016. Phytosanitary irradiation against *Maconellicoccus**hirsutus*(Hemiptera: Pseudococcidae).*Florida Entomologist* 99(sp2): 102- 113.
- 4) Hofmeyr, H., Doan, T.T., Indarwatmi, M., **Seth, Ranjana**and Zhan, G. 2016. Development of a generic radiation dose for the postharvest phytosanitary treatment of mealybug species (Hemiptera: Pseudococcidae). *Florida Entomologist* 99(sp2): 191-196.

▪ **Papers presented in International/National Conferences**

- 1) Zarin, M. **Seth, Ranjana**and Seth, R.K. 2016. Bio-efficacy of phytosanitary irradiation against the various ontogenic stages of the Solenopsis mealybug, *Phenacoccusolenopsis*(Homoptera: Pseudococcidae). *XXV International Congress of Entomology* (ICE 2016), Orlando, Florida, USA (Sept. 25-30, 2016)
- 2) Seth, R.K and **Seth, Ranjana**. 2016. Light (Visible Range Radiation) Activated Pest Control in Tropical Countries. In: “*International Conference on Entomology*” at Punjabi University, Patiala (Dec.3-5, 2016).

▪ **Foreign Visit**

Officially invited to present a paper, “Establishing a generic radiation dose as post harvestphyto-sanitary treatment against bruchid species (Coleoptera: Chrysomelidae) infesting legumes”, in “*Third FAO–IAEA International Conference on Area-wide Management of Insect Pests: Integrating the Sterile Insect and Related Nuclear and Other Techniques*”, IAEA Headquarters, Vienna, Austria (22–26 May 2017)

- **Member of the organizing committee** of the Third National Symposium on “Environment: Challenges Generation Next” held on 31st March, 2017, at Deshbandhu College, University of Delhi, New Delhi.

- **Member of the organizing committee** of “International Symposium on Biological Timing and Health Issues in the 21st Century (In Conjunction with Indo US Workshop)”, February 21-24, 2017. Department of Zoology, University of Delhi, Delhi 110007, India.

Dr. Kamal Kumar Gupta

Associate Professor

Department of Zoology

- **Research Scholar Supervised for Doctor of Philosophy Degree**

Sunil Kayesth: Influence of Plant Extracts on Survival, Longevity, Growth, Development and Reproductive Bioactivities of *Dysdercus koenigii*. Ph. D. awarded

- **Publication (Research Papers/Abstracts)**

1. Kayesth Sunil and **Gupta K. K.**, 2016. An assessment of antifeedant potential and cidal activity of plant extracts on fifth instar nymphs of red cotton bug, *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). *Journal of Entomology and Zoology Studies*. 4(4): 216-222.
2. **K. K. Gupta**, Mohd. Shazad and Shailendra Kumar. 2016. Impact of *Ocimum sanctum* on the development and reproductive bioefficacy of dengue fever mosquito, *Aedes aegypti* L. (Diptera: Culicidae), in International Conference on Science: Emerging Scenario and Future Challenges, held at Dharamshala, India. 11-12 June, 2016.
3. Shailendra Kumar, Sunil Kayesth, **K. K. Gupta**, and Mohd. Shazad. 2016. Influence of *Catharanthus* on survival and development of *Dysdercus koenigii*, in International Conference on Science: Emerging Scenario and Future Challenges, held at Dharamshala, India. 11-12 June, 2016.
4. **K. K. Gupta** and Sunil Kayesth. 2016. Influence of plant volatiles on mating behaviour and reproductive fitness of *Dysdercus koenigii*, in XXV International Congress of Entomology, held at Orlando, USA. 25 -30 September, 2016.
5. Sunil Kayesth and **K. K. Gupta**. 2016. An assessment of juvenomimic activity of *Catharanthus roseus* on growth and development of *Dysdercus koenigii* in XXV International Congress of Entomology, held at Orlando, USA. 25 -30 September, 2016.

6. MohdShazad, Shailendra Kumar, Sunil Kayesth, **Kamal Kumar Gupta**. 2017. An assessment of potentials of *Ocimum sanctum* in the management of *Aedes aegypti* L. (Diptera: Culicidae). International Symposium on Biological Timing and Health Issues in the 21st Century (In Conjunction with Indo US Workshop), February 21-24, 2017. Department of Zoology, University of Delhi, Delhi 110007, India.
7. Shailendra Kumar, Sunil Kayesth, Mohd. Shazad, **Kamal Kumar Gupta**. 2017. Bioefficacy of *Catharanthus roseus* against *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoreidae). International Symposium on Biological Timing and Health Issues in the 21st Century (In Conjunction with Indo US Workshop), February 21-24, 2017. Department of Zoology, University of Delhi, Delhi 110007, India.

▪ **Resource Person for the Programme**

- 1) ‘Web Conversion of Certificate Programme for Teaching of Elementary Science (CTES)’ conducted at DESM, NCERT NIE Campus, New Delhi, from September 19-23, 2016
 - 2) ‘Second Workshop for the Development of e-Resource in Biology for Higher Secondary Stage’ conducted at DESM, NCERT NIE Campus, New Delhi, from November 5-9, 2016.
 - 3) ‘Development of e-Resource in Science at Upper Primary Stage’ conducted at DESM, NCERT NIE Campus, New Delhi, from January 9-13, 2017.
 - 4) Third workshop for the Development of E-Resources in Biology for Higher Secondary Stage’ conducted at DESM, NCERT NIE Campus, New Delhi, from February 3-8, 2017.
 - 5) ‘Web Conversion of Certificate Programme for Teaching of Elementary Science (CTES)’ conducted at DESM, NCERT NIE Campus, New Delhi, from March 27-31, 2016.
- **Jury Member** for the event ‘National Level CBSE Science Exhibition 2016-2017’ held on February 8-10, 2017 at N.C.Jindal Public School, Punjabi Bagh, New Delhi.
- **Member of organizing committee** of “Third National Symposium on Environment: Challenges Generation Next” organized at Deshbandhu College on March 31, 2017.

- **Attended** workshop on “Environmental Issues of Delhi” organized by Department of Environment and Forests, Government of NCT of Delhi on Oct 5, 2016.
- **Attended** Intersectorial coordination committee meeting for prevention and control of vector borne diseases in central zone on May 20, 2016 at Dy. Commissioner office, Lajpat Nagar, New Delhi.

Dr. Sunil Kayesth

Assistant Professor

Department of Zoology

- Awarded Ph.D. degree for the research work “Influence of Plant Extracts on Survival, Longevity, Growth, Development and Reproductive Bioactivities of *Dysdercus koenigii*”, by University of Delhi, Delhi.
- **Conference attended**
Attended and presented a research paper entitled as “An assessment of Juvenomimic activity of *Catharanthus roseus* on growth and development of *Dysdercus koenigii*” in XXV International Congress of Entomology held from September 25th to 30th 2016, at Orlando, Florida, USA.
- **Publications (Research papers/ Abstracts)**
 1. **Kayesth Sunil** and Gupta K. K., 2016. An assessment of antifeedant potential and cidal activity of plant extracts on fifth instar nymphs of red cotton bug, *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). *Journal of Entomology and Zoology Studies*. 4(4): 216-222.
 2. Shailendra Kumar, **Sunil Kayesth**, K. K. Gupta, and Mohd. Shazad. 2016. Influence of *Catharanthus* on survival and development of *Dysdercus koenigii*, in International Conference on Science: Emerging Scenario and Future Challenges, held at Dharamshala, India. 11-12 June, 2016.
 3. K. K. Gupta and **Sunil Kayesth**. 2016. Influence of plant volatiles on mating behaviour and reproductive fitness of *Dysdercus koenigii*, in XXV International Congress of Entomology, held at Orlando, USA. 25 -30 September, 2016.

4. **Sunil Kayesth** and K. K. Gupta. 2016. An assessment of juvenomimic activity of *Catharanthus roseus* on growth and development of *Dysdercus koenigii* in XXV International Congress of Entomology, held at Orlando, USA. 25 -30 September, 2016.
 5. MohdShazad, Shailendra Kumar, **Sunil Kayesth**, Kamal Kumar Gupta 2017. An assessment of potentials of *Ocimum sanctum* in the management of *Aedes aegypti* L. (Diptera: Culicidae). International Symposium on Biological Timing and Health Issues inthe 21st Century (In Conjunction with Indo US Workshop), February 21-24, 2017. Department of Zoology, University of Delhi, Delhi India.
 6. ShailendraKumar, **Sunil Kayesth**, Mohd.Shazad, Kamal Kumar Gupta. 2017. Bioefficacy of *Catharanthus roseus* against *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoreidae). International Symposium on Biological Timing and Health Issues inthe 21st Century (In Conjunction with Indo US Workshop), February 21-24, 2017. Department of Zoology, University of Delhi, Delhi India.
- **Attended Training Course** on SPSS (Statistical Package for Social Sciences) from February 6th to 10th 2017 organized by Delhi University Computer Centre, University of Delhi, Delhi-110007
 - **Member of organizing committee** of “Third National Symposium on Environment: Challenges Generation Next” held on March 31, 2017at Deshbandhu College, University of Delhi, Delhi-110019.

Dr. Varsha Baweja

Associate Professor

Department of Zoology

- **Attended a training workshop** on Drosophila and Zebra fish model systems at Daulat Ram College, University of Delhi on 19th to 21st Dec, 2016.
- **Invited as Resource Person** in a programme "Development of e-Resource in Science at Upper Primary Stage" on Jan 13, 2017 at DESM, NCERT, New Delhi.

- **Invited to judge the competition**, "Technovations: A future Technology Idea Presentation" at IIT Delhi on 24-27th February, 2017.
- **Attended Training Course** on SPSS (Statistical Package for Social Sciences) from February 6th to 10th 2017 organized by Delhi University Computer Centre, University of Delhi, Delhi-110007

Dr. Manisha Sengar

Assistant Professor
Department of Zoology

- **Convener** of “3rd National Symposium on Environment: *Challenges Generation Next*” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019.
- **Teacher Co-ordinator of CUBE** (Collaborative Understanding of Biological Education) - TIFR (Tata Institute of Fundamental research) Mumbai for Deshbandhu College Unit of Delhi University.

Dr. Moses Rinchui Ngasainao

Assistant Professor
Department of Zoology

- **Organizing committee member** of “3rd National symposium on Environment: Challenges Generation Next” on 31st April 2017 at Deshbandhu College, University of Delhi, India.
- **Publication**
M.R. Ngasainao and I.M. Lukram, 2016. A Review on Melatonin and its prospects in Fish Aquaculture. Research and Review: Journal of Zoological Sciences. e-ISSN:2321-6190, p-ISSN:2347-2294.
- Ph. D. Degree (Conferred) on 21st Dec 2016 in Zoology, Thesis entitled “Digestive physiology of Snow trout *Schizothorax richardsonii* during ontogenic development” from the Department of Zoology University of Delhi, India.

Irengbam Rocky Mangangcha

Assistant Professor
Department of Zoology

- **Symposium**

Organizing member, Third National Symposium on Environment Challenges: Generation Next, Deshbandhu College, University of Delhi, March 31, 2017

- **Project**

Successfully completed Innovation Project (DU Funded) Title: “The impact of lifestyle change during adolescence on lifestyle chronic Diseases” working as Project investigator.

- **Workshop**

Participated the 7thNATIONAL WORKSHOP ON TRANSLATIONAL BIOINFORMATICS (NWTB-2017) organized by Bioinformatics Infrastructure Facility Centre, Department of Computer Science, JamiaMilliaIslamia University, Delhi, 15-16 February 2017.

- **Conference**

Green Chemistry in Environmental Sustainability & Chemical Education” (ICGC-2016) 17-18 November 2016 at Daulat Ram College, University of Delhi, India.

- **Posters presented in Conferences**

1. Irengbam Rocky Mangangcha, Ajay Kumar Arora, NupurBhargawa, Nikhil Sharma, Somya Mishra, Arvind Sharma, Manik Gupta, AnkitaMadheshiya, Neelam, Manvendra Kumar, RomariyaAdhikary, Indrakant Kumar Singh. *Association between smoking, drinking of alcohol and lack of physical exercises and mental stress and hypertension in the urban population of North India*. Green Chemistry in Environmental Sustainability & Chemical Education” (ICGC-2016) 17-18 November 2016 at Daulat Ram College, University of Delhi, India
2. Irengbam Rocky Mangangcha, Ajay Kumar Arora, NupurBhargawa, Nikhil Sharma, Somya Mishra, Arvind Sharma, Manik Gupta, AnkitaMadheshiya, Neelam, Manvendra Kumar, RomariyaAdhikary, Indrakant Kumar Singh. *Lack of physical exercises increases the risk for joint pain and other bone related problems in the urban population of North India*. Green Chemistry in Environmental Sustainability & Chemical Education” (ICGC-2016) 17-18 November 2016 at Daulat Ram College, University of Delhi, India

Dr. Sangeeta Pal

Assistant professor

Department of Zoology

- **Participated in the workshop** entitled “Women Health and Cancer Awareness Workshop” on April 7, 2017 organized by Miranda House and University Health Centre, University of Delhi, Delhi.
- **Member of Organizing committee** of “3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019.
- **Sangeeta Pal 2017.** Poster presentation entitled “Ground water pollution” in the 3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019: PP-20.
- **Participated in the National Conference & Workshop** on “Trends and Scope of Forensic Science” held from 11-12th April, 2017, at Acharya Narendra Dev College, University of Delhi, New Delhi.

Ms. Pavitra Sharma

Assistant Professor

Department of Zoology

- **Participated in the workshop** entitled “Women Health and Cancer Awareness Workshop” on April 7, 2017 organized by Miranda House and University Health Centre, University of Delhi, Delhi
- **Attended workshop** on Zebra fish from 15th March 2017 to 17th March 2017, organized by Department of Zoology, Daulat Ram college, University of Delhi.
- **Member of Organizing committee** of “3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019.

Dr. Kiran Bala

Assistant Professor

Department of Zoology

- **Member of the organizing committee** of the Third National Symposium on “Environment: Challenges Generation Next” held on 31st March, 2017, at Deshbandhu College, University of Delhi, New Delhi.

- **Participated in the Workshop** on “Women Health and Cancer Awareness Workshop” held on 7th April, 2017, at Miranda House, University of Delhi, Delhi.

Mr. Raj Kumar

Assistant Professor

Department of Zoology

- Organizing committee member of **3rd National symposium on Environment: Challenges Generation next** on 31st April 2017 at Deshbandhu College, University of Delhi, India.
- Attended Lecture on “Ovarian and breast cancer” **under science Setuprogramme** on 27th Feb 2017 at AIIMS.
- Successfully completed **Innovation Project DBC-302** entitled “Recycling of Organic Matter coming from Religious Activities to Save Water Bodies of Delhi ”
- Poster Presentation:
In **International conference on Green Chemistry in Environmental sustainability and chemical education (ICGC) 2016**, On Nov 17th – 18th 2016, Daulat Ram College, University of Delhi, India.

In **National Symposium on INNOVATION CONCLAVE 2016: Nurturing Research at UG level**, Oct 25th – 26th 2016, at Acharya Narendra Dev College, University of Delhi, India.

Dr. Sandhya Rai

Assistant Professor

Department of Zoology

- **Publications:**

- 1) Kaushik Sarkar, Nikhil Sharma and **Sandhya Rai**, 2017.Oral presentation entitled “Man-animal conflict: a battle with the elephants” in the 3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019: OP-11.

- 2) Kaushik Sarkar, Nikhil Sharma and **Sandhya Rai**, 2017. Poster presentation entitled “Lost wings of Delhi” in the 3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019: PP-5.
 - 3) **Sandhya Rai** (2016). Chapter 7 (Module 20): Epigenetics, Paper Number 16: Molecular Genetics for epathshaala- content for postgraduate courses, an MHRD project under its National Mission on Education through ICT (NME-ICT).
- Innovation Research Project entitled “Microwave Assisted Synthesis of Potent Metal Complexes of Schiff Bases Derived from Carbazole Moiety:A Green Approach”,DBC 304 funded by University of Delhi was successfully completed.
 - **Attended conference** “SYSCON 2016- Recent Advances in Biomedical Research: Strategies and Innovation” on 26-27May, 2016 held at AIIMS, Delhi.
 - **Member of Organizing committee** of “3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019.

Mr. Mohd. Shazad

Assistant Professor

Department of Zoology

▪ **Research Publications**

1. K. K. Gupta, **Mohd. Shazad** and Shailendra Kumar. 2016. Impact of *Ocimumsanctum* on the development and reproductive bioefficacy of dengue fever mosquito, *Aedes aegypti* L. (Diptera: Culicidae), in International Conference on Science: Emerging Scenario and Future Challenges, held at Dharamshala, India. 11-12 June, 2016.
2. Shailendra Kumar, Sunil Kayesth, K. K. Gupta, and **Mohd. Shazad**. 2016. Influence of *Catharanthus* on survival and development of *Dysdercus koenigii*, in International Conference on Science: Emerging Scenario and Future Challenges, held at Dharamshala, India. 11-12 June, 2016.
3. **Mohd. Shazad**, Shailendra Kumar, Sunil Kayesth, Kamal Kumar Gupta 2017. An assessment of potentials of *Ocimum sanctum* in the management of *Aedes aegypti* L. (Diptera: Culicidae). International Symposium on Biological Timing and

Health Issues in the 21st Century (In Conjunction with Indo US Workshop), February 21-24, 2017. Department of Zoology, University of Delhi, Delhi 110007, India.

4. Shailendra Kumar, Sunil Kayesth, **Mohd. Shazad**, Kamal Kumar Gupta. 2017. Bioefficacy of *Catharanthus roseus* against *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoreidae). International Symposium on Biological Timing and Health Issues in the 21st Century (In Conjunction with Indo US Workshop), February 21-24, 2017. Department of Zoology, University of Delhi, Delhi 110007, India.
- **Participated in the workshop** on “Women Health and Cancer Awareness Workshop” on April 7, 2017 organized by Miranda House College and University Health Centre, University of Delhi, Delhi
 - **Member of Organizing committee** of “3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019.

Dr. Nidhi Garg

Assistant Professor

Department of Zoology

- **Chapters Written**
1. **Nidhi Garg** (2016). Chapter 7 (Module 20): Epigenetics, Paper Number 16: Molecular Genetics for epathshala- content for postgraduate courses, an MHRD project under its National Mission on Education through ICT (NME-ICT).
 2. **Nidhi Garg** and Roshan Kumar. (2016). Comparative genomics. Chapter 2: Module 5. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
 3. **Nidhi Garg** (2016). RNA mediated mechanisms: RNA Interference. Chapter 8: Module 21. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
 4. **Nidhi Garg** (2016). Microarray Part I. Chapter 11: Module 29. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.

5. **Nidhi Garg** (2016). Microarray Part II. Chapter 11: Module 29. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
 6. **Nidhi Garg** and HelianthousVerma (2016). Large scale analysis of genome: Metagenomics. Chapter 13: Module 39. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
 7. **Nidhi Garg** (2016). Large scale analysis of genome: Human Genome Project Part I. Chapter 13: Module 41. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
 8. **Nidhi Garg** (2016). Large scale analysis of genome: Human Genome Project Part I. Chapter 13: Module 42. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
 9. **Nidhi Garg** and Udita Mukherjee (2017). RNA mediated mechanisms: Micro RNA and Si-RNA. Chapter 8: Module 22. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
 10. **Nidhi Garg** and Anjali Saxena (2017). Model organisms in genetics: *E. coli*, *Sacchromycescereviceae*, *Arabidiopsis thaliana*. Chapter 9: Module 23. Subject: Molecular Genetics. E-lesson epathshala under NME-ICT.
- **Member of the organizing committee** of the Third National Symposium on “Environment: Challenges Generation Next” held on 31st March, 2017, at Deshbandhu College, University of Delhi, New Delhi.
 - **Participated in the Workshop** on “Women Health and Cancer Awareness Workshop” held on 7th April, 2017, at Miranda House, University of Delhi, Delhi.
 - **Participated in the National Conference & Workshop** on “Trends and Scope of Forensic Science” held from 11-12th April, 2017, at Acharya Narendra Dev College, University of Delhi, New Delhi.

Mr. Vijay Kumar Shah

Assistant Professor

Department of Zoology

- **Participated in the workshop** on “Women Health and Cancer Awareness Workshop” on April 7, 2017 organized by Miranda House College and University Health Centre, University of Delhi, Delhi

- **Member of Organizing committee** of “3rd National Symposium on Environment: Challenges Generation Next” held on 31st March 2017 at Deshbandhu College, University of Delhi, Kalkaji, New Delhi 110019.
- **Attended** “International Symposium on Biological Timing and Health Issues in the 21st Century (In Conjunction with Indo US Workshop)”, February 21-24, 2017. Department of Zoology, University of Delhi, Delhi 110007, India.

DEPARTMENT OF PHYSICAL EDUCATION & SPORTS SCIENCES

Department feels immense pleasure to provide its annual report for the year 2016-17. The boys and girls displayed exemplary performance in various competitions throughout the year. The achievements/distinction for the year is as follows:

- Akshay Kumar from Shooting represented India in 26th Meeting of the Shooting Hopes in Czech Republic. He also won two bronze medals in National Shooting Championship.
- YatinPrabhakarFromBA Prog. Represented Indian inU.S. OPEN INTERNATIONAL TAEKWONDO CHAMPIONSHIP, LAS VEGAS, NEVADA THAITAE OPEN INERNATIONAL TAEKWONDO CHAMPIONSHIP and won SILVER MEDAL in BANGKOK. He also participated in 1ST MALASIA OPEN INERNATIONAL TAEKWONDO CHAMPIONSHIP, KUALA LAMPUR MALASIA.
- Dimple Sehrawat from BA Pol. Sci. (H) participated in CFFAI 1ST ASIAN CIRCLE FENCING CHAMPIONSHIP 2016, MALASIA
- Rajni form BA Prog. won Gold medal at National Power Lifting Championship held at Jammu.
- Aatish form BA Prog. participated in U-23 Youth National Fencing Championship and acquired 1st position. He also participated in 6th Fencing Federation Cup and All India Inter University Fencing Championship and claimed 2nd and 3rd place respectively.
- Proud moment for Archery Team of the college as they defended the Delhi State Archery Championship with their spectacular performance in same championship. Six players from archery team got selected for All India Inter University Archery Championship.
- Hemlata from BA Prog. won Silver Medal in All India Inter University Archery Championship.
- College’s Weight Lifting and Power Lifting team acquired 2nd place in Inter College Competition.
- At National and All India Inter University level, college won 2 Gold, 2 Silver and 3 Bronze medals in different sports.
- College also won 12 Gold, 19 Silver and 23 Bronze medals at Inter-College and State Championship in different sports/games.

LIST OF SPORTS ACHIEVEMENT FOR THE SESSION 2016-2017

<u>S. NO.</u>	<u>NAME</u>	<u>COURSE</u>	<u>GAME/ SPORTS</u>	<u>LEVEL OF PARTICIPATION</u>	<u>ACHIVEMENT/ POSITION</u>
1	SONIA SINGROHA	CHEMISTRY (H)	ATHLETICS	NORTH ZONE ATHLETICS CHAMPIONSHIP	SILVER
2	HEMLATA	B.A. (PROG)	ARCHERY	ALL INDIA UNIVERSITY	SILVER
				SENIOR NATIONAL	PARTICIPATION
				JUNIOR NATIONAL	PARTICIPATION
				INTER-COLLEGE	GOLD
				DELHI STATE	GOLD
3	KAMAL SAGAR	HISTORY (H)	ARCHERY	ALL INDIA UNIVERSITY	PARTICIPATION
				SENIOR NATIONAL	PARTICIPATION
				JUNIOR NATIONAL	PARTICIPATION
				INTER COLLEGE	GOLD
				DELHI STATE	GOLD
4	SACHIN	HISTORY (H)	ARCHERY	ALL INDIA UNIVERSITY	PARTICIPATION
				JUNIOR NATIONAL	PARTICIPATION
				INTER COLLEGE	GOLD, SILVER
				DELHI STATE	SILVER, BRONZE
5	SAVAN KUMAR	B.SC. (I. C.)	ARCHERY	ALL INDIA UNIVERSITY	PARTICIPATION
				JUNIOR NATIONAL	PARTICIPATION
				INTER-COLLEGE	SILVER, BRONZE
				DELHI STATE	BRONZE
6	VIPIN	HISTORY (H)	ARCHERY	ALL INDIA UNIVERSITY	PARTICIPATION
				INTER-COLLEGE	SILVER
				DELHI STATE	SILVER
7	SACHIN KUMAR	HINDI (H)	ARCHERY	ALL INDIA UNIVERSITY	PARTICIPATION
				DELHI STATE	SILVER
8	ROHIT SAGAR	HISTORY (H)	ARCHERY	JUNIOR NATIONAL	PARTICIPATION
				INTER-COLLEGE	SILVER
				DELHI STATE	BRONZE
9	JOSEPH	B.A.(PROG)	ARCHERY	INTER-COLLEGE	SILVER
				DELHI STATE	BRONZE
10	ROHIT SINGH PAYAL	POL. SCI. (H)	ARCHERY	DELHI STATE	BRONZE
11	RAVI	HINDI (H)	ARCHERY	DELHI STATE	BRONZE
12	RAHUL KR. SAHU	M.A. (SANSKRIT)	ARCHERY	DELHI STATE	BRONZE
13	KANCHAN	B.SC BOTANY (H)	ARCHERY	INTER-COLLEGE	BRONZE
14	AVINASH MISHRA	B.SC. (IC)	ARCHERY	DELHI STATE	BRONZE
15	DIMPLE SEHRAWAT	POL. SCI. (H)	FENCING	NATIONAL	PARTICIPATION
16	AATISH	B. A (PROG.)	FENCING	NATIONAL	GOLD
				ALL INDIA UNIVERRSITY	BRONZE
17	V. SRIKANT REDDY	B.A. (PROG.)	KABAADI	ALL INDIA UNIVERSITY	PARTRICIPATION

19	SURENDRA RAUTELA	B.SC. PHY. SCI.	TAEKWONDO	INTER-COLLEGE	BRONZE
20	VIVEK PANT	B.SC. PHY. SCI.	TAEKWONDO	INTER-COLLEGE	BRONZE
21	RAJNI	B.A. (PROG.)	POWER LIFTING	NATIONAL	GOLD
				ALL INDIA UNIVERSITY	PARTICIPATION
				INTER-COLLEGE	GOLD
			DELHI STATE	GOLD	
			WEIGHT LIFTING	NATIONAL	PARTICIPATION
INTER-COLLEGE	SILVER				
22	MOHIT	B.SC COMP. SCI.	POWER LIFTING	INTER COLLEGE	SILVER
			WEIGHT LIFTING	ALL INDIA UNIVERSITY	PARTICIPATION
				INTER-COLLEGE	GOLD
23	PRAVEEN	HINDI (H)	POWER LIFTING	INTER-COLLEGE	SILVER
24	NITESH	B.SC. PHYSICS (H)	POWER LIFTING	INTER-COLLEGE	BRONZE
			WEIGHT LIFTING	STATE	SILVER
25	JAIVEER	B.A. (PROG.)	WEIGHT LIFTING	ALL INDIA UNIVERSITY	PARTICIPATION
				INTER-COLLEGE	GOLD
26	JAIDEV	HINDI (H)	WEIGHT LIFTING	INTER-COLLEGE	GOLD
27	MANISH	HINDI (H)	WEIGHT LIFTING	INTER-COLLEGE	SILVER
28	YOGESH	B.SC. PHY. SCI.	WEIGHT LIFTING	INTER-COLLEGE	BRONZE
29	SACHIN KUMAR	B.A. (PROG.)	WEIGHT LIFTING	INTER-COLLEGE	BRONZE
30	SACHIN KUMAR	B.A. (PROG.)	WEIGHT LIFTING	INTER-COLLEGE	GOLD
31	SUMIT	B.A. (PROG.)	BEST PHYSIQUE	INTER-COLLEGE	SILVER
32	ANKIT	B.A. (PROG.)	BEST PHYSIQUE	INTER-COLLEGE	SILVER
33	DEEPAK SWAMI	HINDI (H)	BEST PHYSIQUE	INTER-COLLEGE	BRONZE
34	AKSHAY KUMAR	POL. SCI. (H)	SHOOTING	INTERNATIONAL	PARTICIPATION
				NATIONAL	BRONZE
35	SHIVAM DHAIYA	B.A. (PROG.)	SHOOTING	NATIONAL	PARTICIPATION
36	DHRUV JAI SINGH	B.A. (PROG.)	SHOOTING	NATIONAL	PARTICIPATION
37	POOJA DEVI	B.SC (MATHS (H)	BOXING	STATE	BRONZE
38	SUJATA	POL SCI H	BOXING	STATE	SILVER
				INTER-COLLEGE	BRONZE
39	ANCHAL	POL SCI (H)	BOXING	STATE	BRONZE
40	AMAN CHAUDHARY	B. A. (PROG.)	BOXING	ALL INDIA UNIVERSITY INTER-COLLEGE	PARTICIPATION
					GOLD

41	NABAB SINGH	B. A. (PROG.)	BOXING	INTER-COLLEGE	SILVER
42	AMAN SHARMA	B. A. (PROG.)	BOXING	INTER-COLLEGE	SILVER
43	SEEMA	HISTORY (H)	BOXING	INTER-COLLEGE	SILVER
44	SALONI	ENGLISH (H)	BOXING	INTER-COLLEGE	BRONZE
45	YOGESH	B.SC. BIO-CHEM (H)	BOXING	INTER-COLLEGE	BRONZE

Annual Sports Festival was held from 6th February, 2017 to 8th February, 2017 in College. The event was inaugurated on 6th February, 2017 where Mr Mukesh Gehlot, three times

AWARD OF EXCELLENCE IN INTERNATIONAL LAUREL		
1	YATIN PRABHAKAR	<ul style="list-style-type: none"> • 2017 U.S. OPEN INTERNATIONAL TAEKWONDO CHAMPIONSHIP, LAS VEGAS, NEVADA • THAITAE OPEN INTERNATIONAL TAEKWONDO CHAMPIONSHIP SILVER MEDAL, BANGKOK • 1ST MALASIA OPEN INTERNATIONAL TAEKWONDO CHAMPIONSHIP, KUALA LAMPUR MALASIA
2	AKSHAY KUMAR	26 TH MEETING OF THE SHOOTING HOPEES 2016, CZECH REPUBLIC
3	DIMPLE SEHRAWAT	CFFAI 1 ST ASIAN CIRCLE FENCING CHAMPIONSHIP 2016, MALASIA

Mr. India and International Power Lifter was invited as Chief Guest. Mr Bhupender Dhawan, Dronacharya Awardee was invited as Guest of Honor. The three day sports festival witnessed various sporting activities for students, teaching staff and non-teaching staff under both, male and female category. On the final day of sports festival, Ms. Seema Tomar, Asian Gold Medalist in Shooting was invited as Chief Guest and Ms. Raspreet Sidhu, Captain, Indian Women Basketball Team was invited as Guest of Honor.

ACADEMIC ACHIEVEMENTS OF THE FACULTY

Dr. Anjum Padyal

- Conducted Post-doctoral research on **“A study on Health, Wellness and Physical Activity of Middle Age Men and Women of Delhi”**
- Attended National Workshop on **“Curriculum Design and Development in Physical Education”** in March, 2017
- Wrote various articles on Obesity, Weight Loss and Fitness in various National Newspapers.