

SAROJ LALJI MEHROTRA SCIENCE FACULTY

ACTIVITIES ORGANISED FROM JANUARY 2020 TO DECEMBER 2020



DEPARTMENT OF CHEMISTRY

1. INDUSTRIAL VISIT TO IFFCO, PHULPUR:

Under the aegis of Certificate Course in Environmental Awareness (CCEA-UGC, CPE-II) and Department of Chemistry, an industrial visit was organized to Indian Farmers and Fertilizer Cooperative Limited (IFFCO), Phulpur on 21st January, 2020. The one day visit was organized to give the students a feel of the organization and its working. 57 students of B.Sc. registered under CCEA participated in this educational trip.

Dr. H.M. Shukla (Manager, Bio-Fertilizer Unit, IFFCO) welcomed the students and gave an introduction of the inception of IFFCO. Dr. Shukla described the different activities of Cooperative Rural Development Trust (CORDET) of IFFCO in detail. CORDET is instrumental in demonstrating farming system models to increase the farm income by organizing various trainings and skill development programs for youth and women. He also explained the students about the IFFCO initiative “Save the Soil Campaign” with focus on soil rejuvenation and crop productivity enhancements for sustainable and environment friendly agriculture. Mr. Birendra Singh (Junior Assistant, Food Processing, IFFCO), briefed the students on crop production system, dairy, balanced fertilization, use of bio-fertilizers, bee-keeping, pisciculture, fruits and vegetables preservation, etc. at the Phulpur Unit. The students enjoyed the technical endeavor at IFFCO and gave a very positive feedback. This visit seemed to be a very good learning experience and was very informative.



2. CELEBRATION OF NATIONAL SCIENCE DAY:

Department of Chemistry and Science Association jointly celebrated National Science Day on 28.2.2020. In this programme, Chem Riddle, Speech, Elocution and power point presentation on various burning environmental issues were organised. Students of all faculties participated in all activities with full enthusiasm. Principal of the college, Prof. Lalima Singh, gave certificates and prizes to participants and winners.



3. COVID -19 AWARENESS QUIZ:

A National online COVID-19 Awareness Quiz: "Spread the Science not virus", (27 may to 3 June) was organized by Department of Chemistry, S.S. Khanna Girls Degree College, Prayagraj. This quiz was organized with the aim to spread awareness regarding the ongoing Pandemic, which changed our lives completely. The quiz was attended by 1283 participants from different categories and age group of the society. Around 975 participant received E-Certificate scoring 75% or more through E-mail.

4. NATIONAL WEBINAR:

A National Webinar on “RELEVANCE OF SCIENTIFIC VALUES IN FIGHTING THE PANDEMIC COVID19” was organized by Department of Chemistry, S.S. Khanna Girls’ Degree College, Prayagraj on 5th June, 2020 on Zoom Meeting platform from 03:00 p.m. to 5:00 p.m. Prof. Ramendra Kumar Singh, Department of Chemistry, University of Allahabad was the chairperson of this webinar. Dr. Singh introduced the speakers and threw light on COVID19 in a very interesting way. Dr. Kavita Seth, Women Scientist of Systems Toxicology and Health Risk Assessment Group, CSIR-Indian Institute of Toxicology Research, Lucknow, was invited as guest speaker on the topic of “COVID 19 Crisis: Scientific Challenges and future Perspectives”. She gave a vivid presentation of how virus affects various organs, different treatment strategy and how to cope up with present pandemic. Prof. A. K. Bajpai, Director, Bose Memorial Research Laboratory, Department of Chemistry, Govt. Autonomous Science College, Jabalpur MP, showed his expertise and experience around the table and engaged the audience in a very fruitful, constructive and open exchanges throughout. The topic of his talk was “Quest for cure and prevention of COVID19”. The questions put up by the participants were answered well by the panelist. The Webinar was attended by 1000 participants from national and international platform and across 25 different streams. They applauded the quality and conduct of the event through the feedback system.

S. S. KHANNA GIRLS' DEGREE COLLEGE, PRAYAGRAJ
(A Constituent College of the University of Allahabad)
Awarded 'A' Grade By NAAC With 3.46 CGPA;
College with Potential for Excellence (CPE, Phase-II): UGC
Selected Under Strengthening Component of Star College Scheme : DBT

DEPARTMENT OF CHEMISTRY
OF
SAROJ LALJI MEHROTRA FACULTY OF SCIENCE
cordially Invites you to join

**A National Webinar
on
RELEVANCE OF SCIENTIFIC VALUES
IN FIGHTING THE PANDEMIC
COVID19**


WORLD ENVIRONMENT DAY
5 JUNE 2020

Time
3:00-5:00 PM

About Registration
The Registration is free of cost .
Kindly [click here](#) for registration.
Kindly [click here](#) to join WhatsApp group.
An E-certificate of participation will be given through email.
For any queries **Dr. Sumita Sahgal 9450591911**
Dr. Anuradha Singh 8400055477
Email us at sskdcwebinfo@gmail.com

5. NATIONAL ONLINE QUIZ SERIES:

Department of Chemistry and Eco club of S.S. Khanna Girls' Degree College jointly organised National Online Quiz Series on Environmental Awareness under strengthening component of Star College Scheme of DBT. Series 1 was organised on International Yoga Day (21 June) and this quiz was attended by 615 participants from different categories and age groups. Around 500 participants received e certificates scoring 75% or more through e mail. The theme of series 2 was- Van Mahotsav2020 (July1 to Jul7). This quiz was attended by 257 participants and all the participants received e certificates.



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Selected under strengthening component of Star College scheme: DBT

National Online Quiz Series on 'Environmental Awareness'
Theme of Series 1: International Yoga Day (21 June)
organized by
Eco Club and Department of Chemistry
under strengthening component of DBT Star College Scheme


To participate in this quiz, click on the link below
<https://forms.gle/gvKRwMG6bKtHuiOm7>

Rules and Conditions:

1. This quiz will be conducted online only.
2. The participants can attempt a quiz only once.
3. A candidate needs to score at least 70% or more in the quiz in order to qualify.
4. An e-certificate will be issued on the individual's email id who will qualify the Quiz.
5. Please register yourself carefully. No correction will be entertained after the issue of e-certificate.

Participants: Faculties, Researchers, Students, Non-Teaching Staff, and any one who wishes to participate.
Event Timing: From 20th June 2020 9:00 AM to 26th June 2020 at 6:00 PM. **Registration fee: FREE**

Prof. Lalima Singh (Principal) Dr. Alok Malviya (Chairperson, Eco Club) Dr. Anuradha Singh (Quiz Convener)



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National Online Quiz Series on 'Environmental Awareness'
Theme of Series 2: Van Mahotsava 2020 - July 1 (Wednesday) To July 7 (Tuesday)
organized by
Eco Club and Department of Chemistry
under strengthening component of DBT Star College Scheme

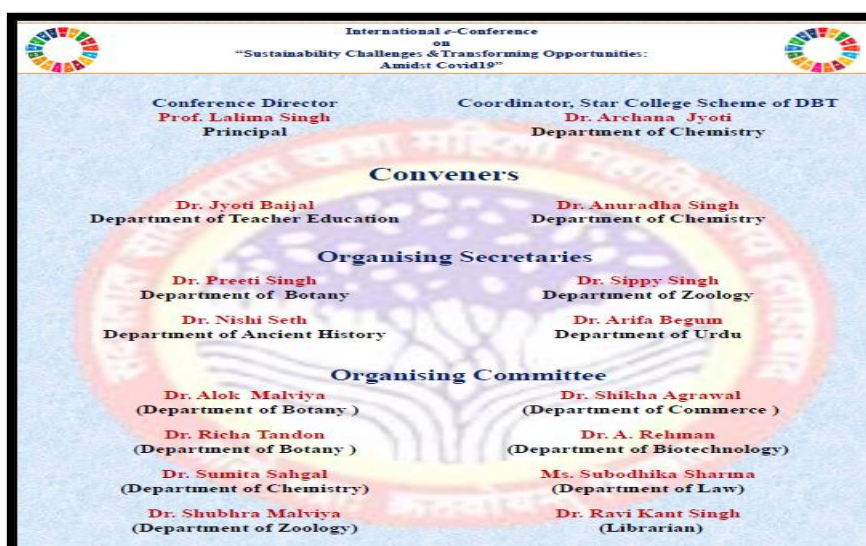
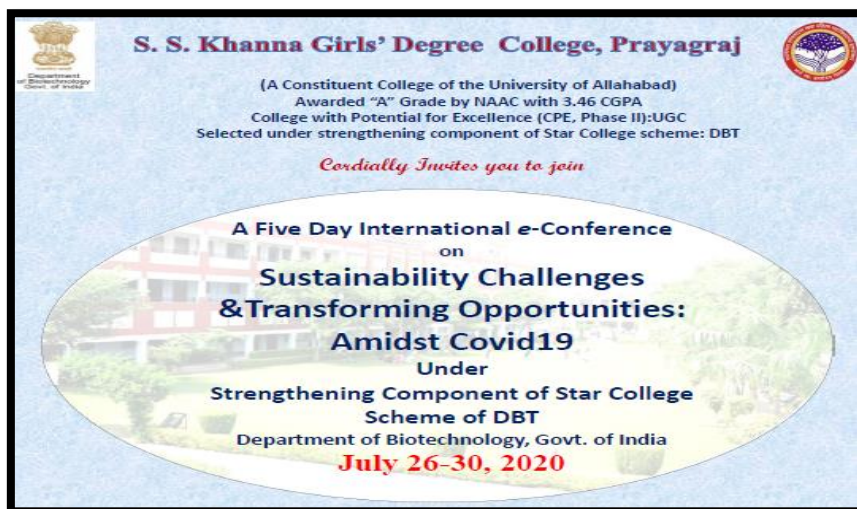
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Participants: Faculties, Researchers, Students, Non-Teaching Staff, and any one who wishes to participate.
Event Timing: From 01 July 2020 6:00 PM to 07 July 2020 at 6:00 PM. **Registration fee: FREE**

Prof. Lalima Singh (Principal) Dr. Alok Malviya (Chairperson, Eco Club) Dr. Anuradha Singh (Quiz Convener)

6. INTERNATIONAL e-CONFERENCE:



REPORT:

S. S. Khanna Girls' Degree College organized a 5 day international e-conference on "*Sustainability Challenges and Transforming Opportunities amidst COVID-19*" from 26.07.2020 to 30.07.2020 under the banner of Strengthening Component of Star College Scheme of Department of Biotechnology, Government of India.

The inaugural session of this conference was graced by the presence of Prof. A.K. Bakshi, Honorable Vice Chancellor of PDM University, Bahadurgarh, Haryana. Prof. Bakshi delivered a key note address on the topic "*The Changing Phase of Higher Education in India: Challenges and Opportunities*". In his address, he emphasized the importance of higher education and mentioned it as a driving force for social and economic growth, competitiveness and employment generation. On the first day of the conference, in the first technical session, Dr.

Sunaina Gowan from Australia emphasized that education is the ultimate mode to achieve 17 SDGs in this difficult time of the pandemic. The session was chaired by Prof. Dhananjay Yadav of University Of Allahabad, who told that education is the foundation for economic growth and overall human development. In the second technical session, the speaker was Dr. Sandeep K. Shukla, Quality Manager and Research Officer, Wain Ganga Water Quality Laboratory, Central Water Commission, Nagpur. The topic of his talk was *“Water Quality Management: Effect on Water Quality Due To Lockdown”*. The session was chaired by Prof. Anil Kumar Bajpayee, Bose Memorial Research Lab, Department Of Chemistry, Government Autonomous Science College, Jabalpur. The third technical session was chaired by Prof. R.K. Singh, Department Of Chemistry and Controller of Examination, University Of Allahabad and the speaker in this session was Dr. Rajesh Kumar Singh, Laboratory Director of R&D, Albzyme Therapeutics, P.A., U.S.A. He delivered a talk on blooming topic of present scenario, *“COVID-19 Pandemic and The USA”*. After his enlightening talk, Chairperson Dr. R.K. Singh conveyed the message on the importance of taking the necessary precautions during this time.

On the second day of the conference, in the first technical session, the chairperson was Prof. Ali Ahmed Fatmi, Former Head, Department Of Urdu and Prof. A.K. Bajpayee from Jabalpur. In this session, Dr. Sayed T.H. Abedi, Physician of the Scarborough Hospital Of Ontario, Canada gave a very informative talk on the topic, *“How To Live With COVID-19: Preventions, Symptoms, Treatment and State Of Vaccine”* Dr. Abedi clearly insisted to follow the principle, *“Prevention Is Better Than Cure”*. The second technical session was chaired by Prf. R.K. Srivastava, Head, Department of Environmental Science, University Of Allahabad. The speaker in this session was Dr. Felix Bast, Department of Botany, Central University of Punjab, Bhatinda. The topic of his talk was *“SDG at a Personal Level: Transition towards Citizen of the Globe and Creature of Earth”*. Dr. Felix gave some useful tips to the participants to how to practice sustainability at the personal level in their day to day lives by giving innumerable examples from his own life. The third technical session of oral presentation was chaired by Dr. Archana Pandey, Department Of Chemistry, C.M.P. Degree College and Dr. Sarita Srivastava, Department Of Botany, C.M.P. Degree College, Prayagraj. In this session, a total of 10 participants presented their papers out of which 3 papers were from outside of our country: Nizeria, France and Algeria. The judges of this session evaluated their presentations and for each of the sub-theme of the conference, the best paper was selected.

On the third day of the conference, the first technical session was chaired by Prof. Indira Mehrotra, Former Head, Department Of Physics, University Of Allahabad. In this session, Dr. Mohommad Rihan, Department Of Electrical Engineering, Aligarh Muslim University, Aligarh gave a very informative talk on the topic: *“Sustainable Development Goals and Green Sources of Electric Energy”*. He told that from conventional sources of energy, emission of CO₂ is tremendous, therefore it is very essential to switch over to green energy sources. At last, the chairperson, Prof. Mehrotra, mentioned that green energy is sure, pure and secure and for this educators can play a big role. The second technical session was chaired by Prof. Namita Singh, Director, Department of Bio & Nano Technology, Guru Jambheshwar University of Science & Technology, Hisar, Haryana. In this session, Dr. Namit Ranjan, Research Scientist, Department of Physical Biochemistry, Max Plank Institute for Biophysical Chemistry, Goltingen, Germany delivered a lecture on the topic, *“Contribution of Basic Sciences in Disease Prevention”*. The third technical session of oral presentation was chaired by Dr. Anuja Saliya, Department of Education, Ishwar Sharan Degree College, Prayagraj and Dr. Kajal Deb,

Department of Education, Jagat Taran Degree College, Prayagraj. In this session, 12 participants presented their papers out of which one was from Canada.

On the fourth day of the conference, the first technical session was chaired by Prof. Shanthi Sundaram, Coordinator, Centre of Biotechnology, University Of Allahabad. In this session, Dr. Preen Prakash Yadav, Principal Scientist, Medicinal and Process Chemistry Division, CDRI Lucknow provided his insights on the topic, “Recent Advances in Drug Repurposing for Combating Sar-Cov-2”. He very well explained that repurposing of many drugs has yielded good results to combat the disease. The second technical session of oral presentation was chaired by Dr. Neerja Kapoor, Department of Zoology, C.M.P. Degree College, Prayagraj and Dr. Justin Masih, Ewing Christian College, Prayagraj. In this session, total 13 papers were presented out of which one paper was from Algeria. In the third session, Mr. Thomas P. Valenti, Conflict Resolution Specialist, Chicago II, U.S.A., delivered a lecture on the topic, “Alternative Dispute Resolution in the COVID-19 Era” under the theme legal sustainability. The distinguished speaker outlined the various forms of Alternative Dispute Resolution and explained that how it is more desirable than the traditional justice system. The session was chaired by Prof. Shakeel Sandani, Dean, Faculty of Law, Aligarh Muslim University, Aligarh. The fourth technical session was chaired by Prof. Ashish Saxena, Head, Department of Sociology, University of Allahabad. In this session, Dr. Unnat P. Pandit, Professor of IP, Innovation & Entrepreneurship, Jawaharlal Nehru University and Former Director, Atal Innovation Mission, NITI Aayog, New Delhi delivered a talk on the topic, “Atmnirbhar Bharat: Role of Youth in Societal Transformation”. In his talk, he explained that this transformation can only be brought about by start-ups in education imparting through skills and strengthening the innovation ecosystem in India according to the global trend and trade.

On the fifth day of the conference, in the first technical session, Prof. S.G. Venkat Subramaniam, Environment & Law Management, Anna University, Chennai delivered a talk on the topic, “The Role of Legal Regime in India and the International Level: Its Effectiveness for the Sustenance of Sustainable Development”. He discussed various environmental laws and articles. The session was chaired by Prof. Prahlad Kumar, Former Dean, Faculty of Commerce and Former Head, Department of Economics, University of Allahabad. In the second technical session, Dr. Tarun Arora, Professor, Department of Law, Dean, School of Legal Studies, Central University of Punjab, Bhatinda delivered a talk on the topic, “Sustainable Development Goals, Constitutional Values and Environmental Education”. He talked about India’s contribution towards environment protection. In the third technical session of oral presentation, the chairperson was Dr. Sushma Sharma, National Law University, Bhopal. In this session, total 5 participants presented their papers on socio-economic and legal sustainability.

Valedictory Session of this conference was graced by the presence of Prof. K.V. Bhanu Murti, Former Dean, Faculty of Commerce, Delhi School of Economics, University of Delhi as the chief guest. Prof. Murti delivered a very informative talk on the topic, “Climate Change, Sustainability and Poverty”.

Some important conclusions which we derived from this conference were:

1. In this time of the pandemic, we have entered into a digital age where electricity is a necessity. So, we need to rapidly switch over to green energy sources.
2. For health sustainability, we must follow the principle, “Precaution Is Better than Cure”. Also, repurposing of drugs can be very useful to combat the disease.
3. Socio-economic sustainability can be seen making a breakthrough in combating profit with sustainability values using 5 elements: Water, Energy, Waste, Ecology & Food.

4. For educational sustainability, use of ICT should be emphasized in education, especially in higher education. The new education policy will have far reaching effects on higher education.
5. For legal sustainability, actions should be taken against fake news and the required laws should be implemented.

The conference was enriched with nuts of intellect and inspiration by the presence of experts from various diverse fields comprising of the Vice Chancellor, Directors, Doctors, Professors, Eminent Scientists, Legal Experts and experts of various other fields. Participation of 260 scholars from 7 foreign countries: France, Canada, Australia, USA, Germany, Algeria, and Nigeria, and from each and every state of India gave this conference a new height.

7. GUEST LECTURE:

Under strengthening component of star college scheme of DBT, Department of Chemistry of S. S. Khanna Girls' Degree College organized an online Guest Lecture on 19th Sep, 2020. Lecture was delivered by Dr. Devendra Singh, Assistant Professor, Department of Chemistry, Shri Varshney College, Aligarh with the help of Zoom App. This lecture was particularly organized for B.Sc. III students. In his talk Dr. Singh explained the key concepts on the topic "Solid State". He explained Space Lattice, Unit cell, its types, calculating number of atoms in unit cell, relationship between edge length and radius of an atom, coordination number and many other aspects of solid state. Topic was thoroughly explained in a very lucid and simple manner. 30 students of B. Sc. III joined the above activity and had shown keen desire for listening lecture as this topic was in their syllabus, thus it proved to be much beneficial for the students. Student's queries were also answered by the speaker.

At the end of the lecture online feedback form was also provided to the students. Students expressed their satisfaction about the above activity and wrote that they would definitely appreciate if more such lectures of this kind were arranged as it seems to be very beneficial for them.

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Organising One Day online Guest lecture on
"Solid State"
By
**DR. DEVENDRA SINGH OF SHRI VARSHNEY COLLEGE,
ALIGARH**

YOU ALL ARE CORDIALLY INVITED TO JOIN US
ON 19 TH SEP, 2020 (11:00 AM TO 1:00 PM)

MEETING ID AND PASSWORD WILL BE PROVIDED BEFORE THE GUEST LECTURE USING ZOOM CLOUDS
MEETING APP. FEEDBACK FORM MUST BE FILLED BY PARTICIPANT THAT WILL BE PROVIDED ON
WHATSAPP
FOR ANY QUERIES CONTACT
DR. ARCHANA JYOTI (DBT COORDINATOR) WHATSAPP NO. 9936805726
DR. SUMITA SAHGAL (EVENT ORGANISER) WHATSAPP NO. 9450591911

DEPARTMENT OF BOTANY

1. An Intercollegiate Student Seminar on the topic “**Natural Disasters and their Management**” was organized by the Department of Botany, S. S. Khanna Girls' P.G. College, Prayagraj on **29th January, 2020**. Somya Tewari (S.S. Khanna Girls' P.G. College, Prayagraj) got the first position, Rupesh Jaiswal (University of Allahabad, Prayagraj) got the second position and Shikha Singh (C. M. P. College, Prayagraj) got the third position. The seminar was aimed to enhance the knowledge and raise awareness about the natural disasters and their management.



2. A botanical excursion to “**Sidhnath ki Dari, Mirzapur, U.P.**” was organized for the M.Sc. students by the Department of Botany, S.S. Khanna Girls' P.G. College, Prayagraj on **05th February, 2020**. The main objective of the excursion was to familiarize the students with the flora and ecology of the region. The students observed different plants growing in their natural habitats.



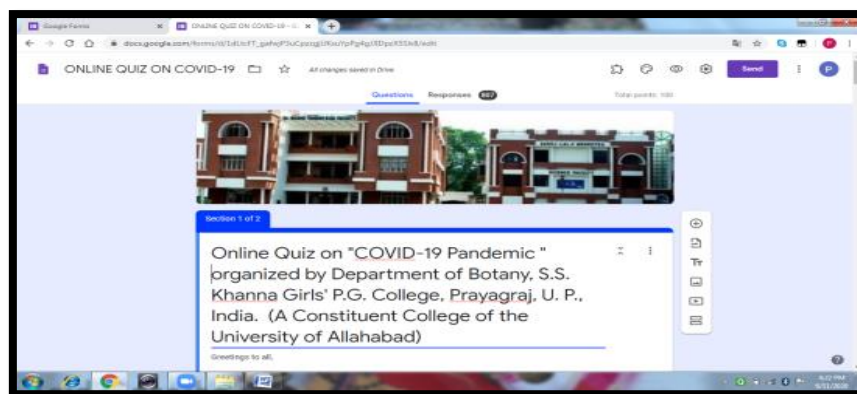
3. As per interdisciplinary approach a lecture on the topic “Bioinformatics” was delivered by Dr. A. Rahman(Department of Biotechnology) on 11/09/2020.
4. To enhance the knowledge about the environmental issues, a **guest lecture by Professor N.B. Singh** (Department of Botany, University of Allahabad) on the topic “**Environmental Awareness**” was organized by the Department of Botany, S.S. Khanna Girls' P.G. College on **24th February, 2020**.



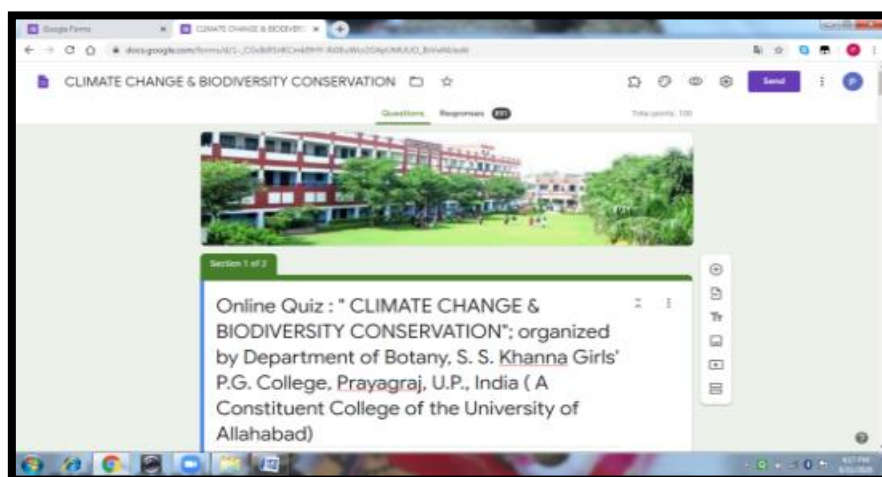
5. On the occasion of “**National Science Day**”, a quiz on “**Role of Science in our daily life**” was organized by the Department of Botany on 28.02.2020. The quiz was conducted to enhance the knowledge and develop the analytical and problem-solving abilities in the students.



6. An online quiz on “**COVID-19 Pandemic**” for faculty members, research scholars and students was organized by the Department of Botany, S.S. Khanna Girls' P.G. College, Prayagraj from **28th May, 2020** to **04th June, 2020**. In this quiz, 807 participants participated from 22 states and the capital territory Delhi. The quiz was conducted to spread awareness and disseminate the right information about the COVID-19 pandemic amongst the people.



7. On the occasion of the **World Environment Day**, the Department of Botany, S. S. Khanna Girls' P.G. College, Prayagraj organized an online quiz on "**CLIMATE CHANGE & BIODIVERSITY CONSERVATION**" for the faculty members, research scholars and the students from **05th June, 2020 to 11th June, 2020**. In this quiz 936 participants participated from 22 states and the capital territory Delhi. The quiz was aimed to enhance the knowledge and raise awareness about climate change and biodiversity conservation.



8. A National Webinar on "**COVID-19: From Infection to Viral Pathogenesis**" was organized by the Department of Botany, S. S. Khanna Girls' P.G. College, Prayagraj, U.P., India on **14th June, 2020**. The resource persons **Dr. Ravi Tandon**, (Assistant Professor, School of Biotechnology (SBT), Jawaharlal Nehru University, New Delhi) and **Dr. Abhishek Kumar** (Faculty Research Scientist, Institute of Bioinformatics, Bangalore) delivered their lectures to enhance the knowledge and spread awareness about the COVID-19 Pandemic.

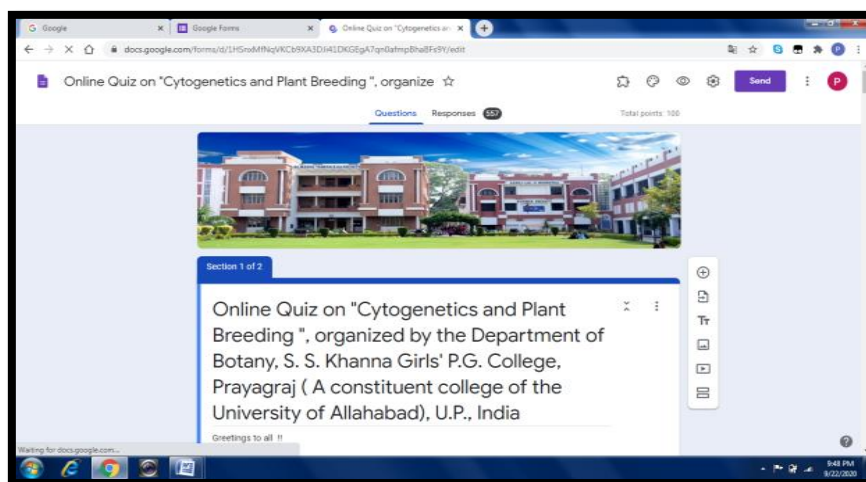
COVID-19: From Infection to Viral Pathogenesis
National Webinar Organized by
Department of Botany

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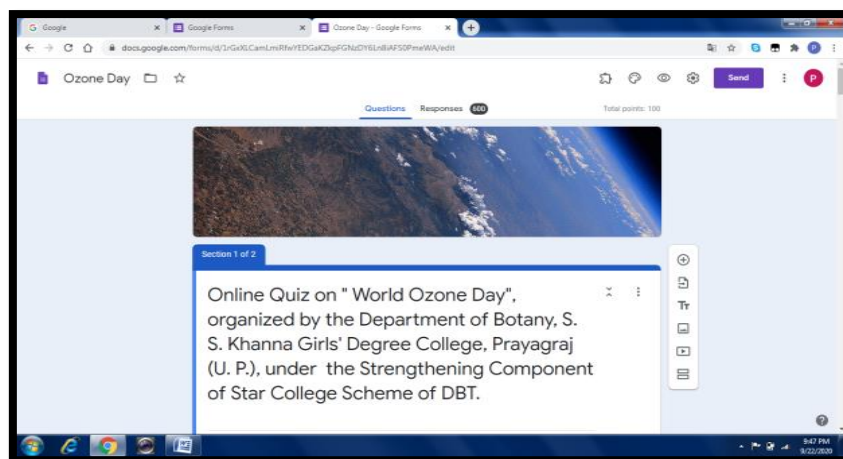
Invited Speakers

| | | | |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  |  |
| Dr. Asha Seth | Prof. Lalima Singh | Dr. Ravi Tandon | Dr. Abhishek Kumar |
| Chairperson S.S. Khanna Girls' P.G. College University of Allahabad Prayagraj-211003 | Principal Patron S.S. Khanna Girls' P.G. College University of Allahabad Prayagraj-211003 | Assistant Professor School of Biotechnology (SBT) Jawaharlal Nehru University New Delhi-110067 ravitandon@jnu.ac.in | Faculty Research Scientist Institute of Bioinformatics Bangalore-560066 abhishek@ibioinformatics.org |

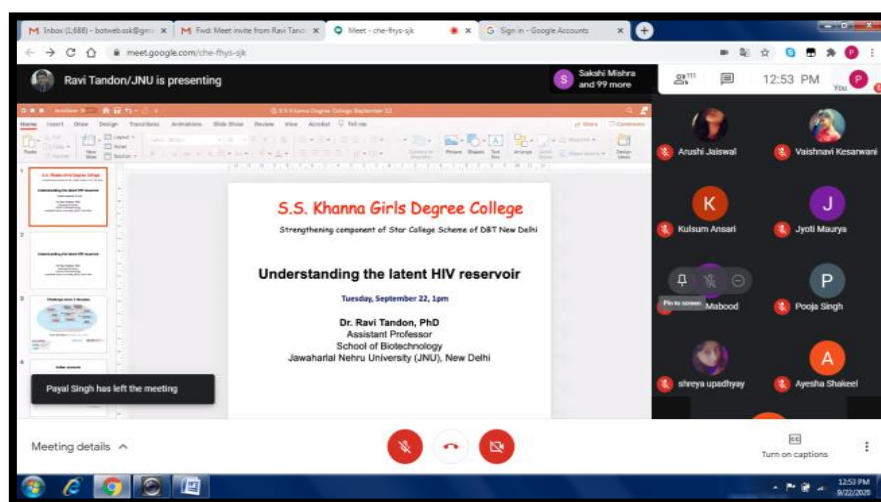
9. An online quiz on “**Cytogenetics and Plant Breeding.**” for the faculty members, research scholars and the students was organized by the Department of Botany, S.S. Khanna Girls' P.G. College, Prayagraj from **22nd June, 2020** to **02nd July, 2020**. In this quiz, 557 participants participated from 22 states and the capital territory Delhi. The quiz was aimed to enhance the knowledge about the Cytogenetics and Plant Breeding.



10. Under the strengthening component of Star college scheme : DBT, New Delhi, an online quiz on the “**Word Ozone Day**” for faculty members, research scholars and students was organized by the Department of Botany, S.S. Khanna Girls' P.G. College, Prayagraj from **16th September, 2020** to **26th September, 2020**. In this quiz, 668 participants participated from different states and the capital territory Delhi. The quiz was aimed to the spread awareness about the Ozone layer depletion.



11. Under the strengthening component of Star college scheme: DBT, New Delhi, an online guest lecture of **Dr. Ravi Tandon** (Assistant Professor, School of Biotechnology (SBT), Jawaharlal Nehru University, Delhi) on the topic **“Understanding the latent HIV reservoir”** was organized by the Department of Botany, S.S. Khanna Girls' P.G. College on **22nd September, 2020** to enhance the knowledge and spread awareness about the HIV amongst the students.



DEPARTMENT OF PHYSICS

1. Guest lecture by DR. Anil Kumar Sing was organised on 23.01.2020 on sensing through smart devices, based on on -going research and development.



2. In the session 2019-2020, thirty one students of BSc. I, II and III appeared in National Graduate Physics Teacher Examination (N.G.P.E) conducted by Indian Association of Physics Teachers Dehradun held on 19.01.2020 in our college (centre code-G2197).



3. Departmental tour was organised on 28.01.2020 in which 52 students of BSc I,II and III visited Planetarium Prayagraj . It helped the students to go through wonderful journey of space.



4. The Department of Physics, S.S. Khanna Girls' Degree College had organised an international Webinar on, '**Covid-19: An Opportunity for Technological Resurgence**' dated **08.07.2020** from 4.00p.m.-6.00p.m. There were 893 participants including faculty members, research scholars and students of International and National Universities and Institutes. We had international participants from U.S.A., Australia, England, Thailand, and Qatar. Amongst national participants we had participation from various states covering, Rajasthan, Chhattisgarh, Bihar, Haryana, Maharashtra, Karnataka, Jammu and Kashmir, Punjab and West Bengal. There are three eminent speakers delivered their lectures, the first speaker being **Prof. Sunit Kumar Singh**, Professor (Molecular Immunology) Head-Molecular Biology Unit, Institute of Medical Science, Banaras Hindu University Varanasi. The second speaker was **Prof. Indira Mehrotra**, Former Head, Department of Physics, University of Allahabad. The third speaker was **Prof. Qamar Usmani**, Research professor (Gratis) University of Connecticut Storrs CT, U.S.A.

S.S. KHANNA GIRLS' DEGREE COLLEGE,
PRAYAGRAJ
A Constituent College of the University of Allahabad

DEPARTMENT OF PHYSICS
BY
DR. A. SETH, DR. L. SINGH, DR. A. JYOTI
cordially invites you to join

INTERNATIONAL WEBINAR
On
Covid-19: An Opportunity for Technological Resurgence

Date: 08th JULY 2020, Time: 4:00 PM-6:00 PM (IST)

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Patron Dr. Asha Seth Chairperson Governing Body S.S.K.G.D.C. |  Chairman Prof. Lalima Singh Principal S.S.K.G.D.C. |  Cochairman Dr. Archana Jyoti Associate Professor S.S.K.G.D.C. |  Convener Dr. Pramila Gupta Assistant Professor S.S.K.G.D.C. |
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Eminent Speakers

08th July 2020, Time 4:00 PM - 6:00 PM (IST)

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  Prof. Qamar Usmani Research Professor (Gratis) University of Connecticut Storrs, CT U.S.A. E-mail ID: qusmani@hotmail.com |  Prof. Sunit K. Singh Associate Professor (Molecular Immunology) Microbiology Unit Institute of Medical Science Banaras Hindu University Varanasi E-mail ID: sunitsingh2000@gmail.com |  Prof. Indira Mehrotra Former Head Department of Physics University of Allahabad Prayagraj E-mail ID: indus8@gmail.com |
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DEPARTMENT OF ZOOLOGY

1. Excursion to BRIATS

Department of Zoology, S.S. Khanna Girls' Degree college organized an educational trip to Bioved Research Institute of Agriculture Technology and Sciences (BRIATS), Prayagraj, on 20th January, 2020. The students of M.Sc Zoology Semester IV witnessed some of the important techniques at the institute. Faculty of Bioved provided the live demonstrations of Lac culture, pearl culture, Dairy farming, vermicomposting, biofertilizer production and tissue culture. The eco-friendly approach of the institute highly motivated the students.



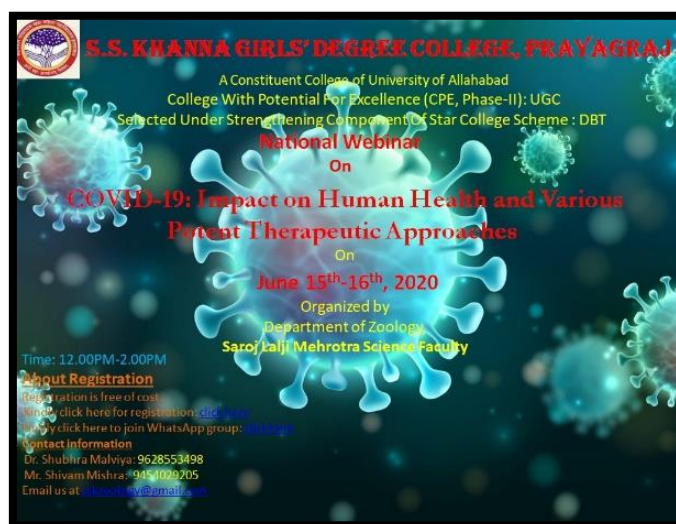
2. One day Workshop on “Tutorial for Competitive Exams for Life Science Students”

Department of Zoology, S.S. Khanna Girls' Degree College organized a one day workshop on “Tutorial for Competitive Exams for Life Science Students” on 1st February, 2020, for mentoring and guiding students to crack competitive exams of CSIR, ICMR and GATE. Dr. M. K. Singh, Dr. Ajey Singh, Dr. Nimisha Amist and Mr. Praveen Tiwari, Faculty members from CSIR POINT interacted with students and covered different aspects of these exams. They conducted a random test on CSIR pattern and announced the winner.



3. National Webinar On “COVID-19: Impact on human health and various potent therapeutic Approaches”

Department of Zoology, S.S. Khanna Girls' Degree College, Prayagraj, is organizing Two Days National Webinar on "COVID-19: Impact on Human Health and Various Potent Therapeutic Approaches" on 15th-16th June 2020.



A two-day national webinar on “COVID 19: Impact on Human Health and Various Potent Therapeutic Agents” was organized on 15th and 16th June 2020 under the auspices of Department of Zoology, S. S. Khanna Girls’ Degree College, Prayagraj to spread awareness about covid 19 Pandemic among the participants. The webinar focused on the consequences related to human health due to Covid 19 and various probable therapies available for it. In this webinar, about 610 participants including students, research scholars, and academicians from various educational institutions across india, and abroad representing 25 states of India and five countries such as Saudi Arabia, Nigeria, Ukraine, Maldives and Bangladesh registered themselves for the webinar. The webinar was organized through Zoom meetings and was live streamed on facebook as well.

The first day of the webinar started with the formal welcome of the speakers and delegates by the Principal Professor Lalima Singh. Followed by the presentation of theme and relevance of the topic in this scenario by the convener of the webinar Dr. Shubhra Malviya

On the first day, two distinguished Speakers Dr. Vishnu Agrawal, from the department of Biotechnology, MNNIT Prayagraj and Prof. Bechan Sharma From Department of Biochemistry, University of Allahabad shared their views with the participants.

Dr. Agrawal in his lecture shared his views on the Etiology, Pathogenesis , Risk factors, and severity, Prevention and Control COVID 19: whereas Our second guest Prof. Sharma in his lecture, highlighted the biology, structure and therapeutic strategies of SARS CoV2. he also discussed about reasons of spread, do’s and donts to prevent COVID 19.

The session was coordinated by Webinar Convener Dr. Shubhra MALviya, and vote of thanks was proposed by Dr. Durgesh Singh Organizing Secretary of the webinar.

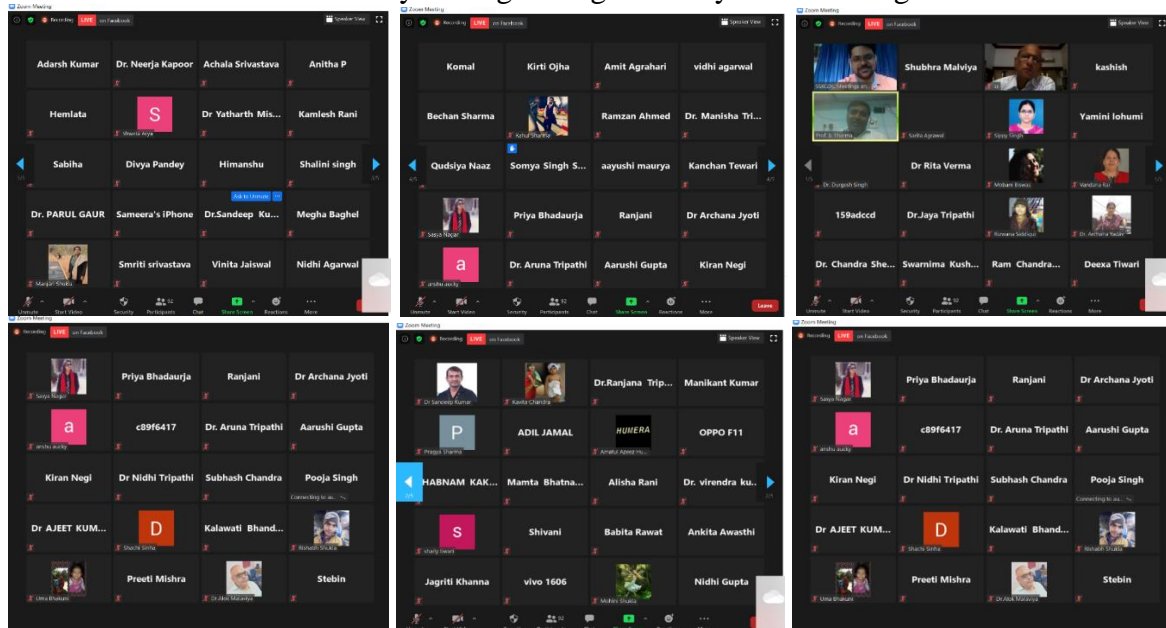
On the second day of the, webinar, The participants got opportunity to listen the views of our two eminent speakers Dr. Jyoti Singh, Research Scientist, National Centre for Cell Science Pune, Maharashtra and Professor Subodh Kumar Jain, Head of the Department, Department of

Biotechnology, H.S.Gour University, Sagar, Madhya Pradesh. In her lecture Dr. Jyoti Singh discussed about molecular biology, mode of infection of Corona virus and role of different proteins in COVID Pathogenesis.

Our Second Eminent speaker Prof Subodh Kumar Jain discussed about present scenario and future strategies for COVID 19. He also elaborately discussed about role of cytokines and other proteins in infection pathway of corona virus.

All the Lectures were followed by Interactive sessions reflecting the intense involvement of the participants in the lecture by their overwhelming responses. All the interactive sessions were moderated by Mr. Shivam Mishra, Organizing secretary of the webinar.

The session was coordinated by the organizing secretary Dr. Sarita Agrawal.

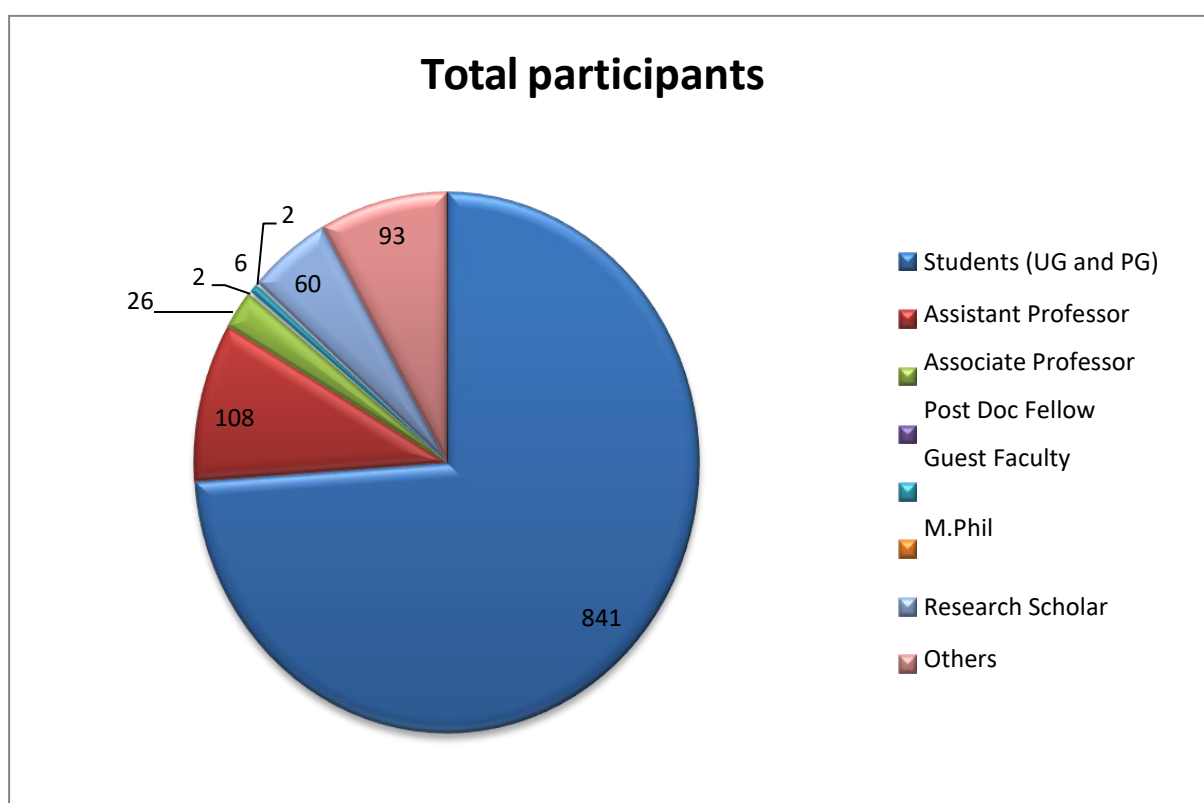


4. National Online Quiz On “Immunity And Covid-19”

Department of Zoology, S.S Khanna Girls' Degree College, Prayagraj organized a National online quiz on the topic "Immunity and COVID-19" during 17th June, 2020 to 23rd June, 2020 to spread awareness among citizens. Total **1138 participation** was recorded which included Faculty members, Doctors, Research Scholars and Students of International and National Universities and Institutes. We had **02 international participants** from Yale University (Post- Doc Fellow), USA and Umm Al-Qura University (Assistant Professor), Saudi Arabia. Amongst National participants we had responses from **21 states of India** covering Delhi University (and its constituent colleges), Sambalpur University Odisha, Jiwaji University Gwalior, Sagar University Madhya Pradesh, Pondicherry University, Garhwal Central University, Kumaun University Nainital, Symbiosis University Pune, Dr. Babasaheb Ambedkar University Maharashtra, Tamil University, B.A.M.U University Aurangabad, Periyar University, GoenkaUniversity Haryana, Aligarh Muslim University, Banaras Hindu University, many other universities/colleges of other states and Uttar Pradesh, Institutes of Pharmacy from Gujarat and UP, and constituent colleges of University of Allahabad. The participants who scored 60% and above marks in the quiz received e-certificate for their

successful attempt.

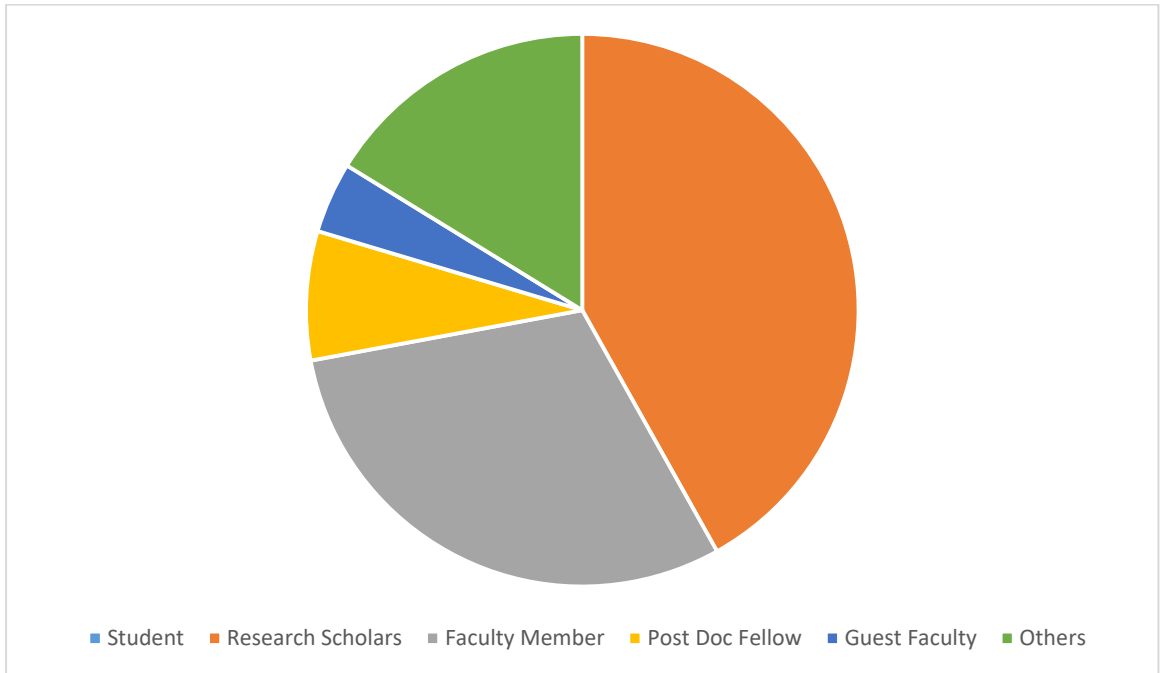
- **Quiz Director: Prof. Lalima Singh**, Principal, S.S Khanna Girls' Degree College, Prayagraj
- **Quiz Convener: Dr. Sippy Singh**, Assistant Professor, Dept. of Zoology, S.S Khanna Girls' Degree College, Prayagraj
- **Quiz Co-convener: Dr. Shubhra Malviya**, Assistant Professor, Dept. of Zoology, S.S Khanna Girls' Degree College, Prayagraj
- **Organizing Secretaries of quiz: Dr. Sarita Agrawal, Dr. Durgesh Singh and Mr. Shivam Mishra**, Assistant Professor, Dept. of Zoology, S.S Khanna Girls' Degree College, Prayagraj
- **Graphical Representation Of Details**



5. World AIDS day Quiz

Department of Zoology, S.S. Khanna Girls' Degree College, Prayagraj, organized an online awareness quiz on AIDS on the occasion of World AIDS Day from 1st- 3rd , December, 2020 to spread awareness among citizen of India. 600 participants, belonging to various fields such as students, research scholars, Faculty members, etc. submitted their responses. The responses were recorded from all over India representing 19 states Punjab, Haryana, Jammu and Kashmir, Delhi, Chandigarh, Uttar Pradesh, Madhya Pradesh, Rajasthan, Maharashtra, Uttarakhand, Karnataka, West Bengal, Odisha, Tamilnadu, Andhra Pradesh, Assam many other universities/colleges of other states and Uttar Pradesh, Institutes of Pharmacy from Gujarat and UP, and constituent colleges of University of Allahabad. The participants who scored 60% and above marks in the quiz received e-certificate for their successful attempt.

- **Quiz Director:** Prof. Lalima Singh, Principal, S.S. Khanna Girls' Degree College, Prayagraj
- **Quiz Convener:** Dr. Shubhra Malviya
- **Quiz Co-Convener:** Dr. Sippy Singh
- **Organizing Secretaries:** Dr. Sarita Agrawal & Dr. Durgesh Singh
- **Graphical Representation Of Details**



DEPARTMENT OF MATHEMATICS

- 1) A Guest lecture has been organized by **Dr. Piyush Khare** (Ex –Head, Department Of Mathematics , E.C.C. Allahabad) for the students of B . Sc. I, II, III on 28.01.2020.
- 2) 52 Students of B.Sc. I, II, III went to the educational tour in **Planetarium Allahabad** on 23 January 2020.
- 3) 15 students of B.Sc. Part I , II , III participated in National level Madhava Mathematics Competition on 12 January 2020 .

