

Detailed Report
of
One Day Workshop
on
“Opportunities and Entrepreneurship in Biotechnology”
held on
Friday, March 31, 2017

Last day of the financial year 2016-17 was wrapped up with a worthwhile payback in the form of a “**One Day Workshop**” graciously organized jointly by **School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur** and **Chhattisgarh Biotechnology Promotion Society, Government of Chhattisgarh, Raipur** on the most demanded and crowd pleasing issue “**Opportunities and Entrepreneurship in Biotechnology**”. The workshop was hosted by and scheduled at the School of Studies in Biotechnology on March 31, 2017. A total of 185 participants, mostly M Sc students and Research Scholars along with a few faculties, from various teaching departments of both colleges and universities of Raipur, Durg, Bilai, Rajim, *etc.* regions attended this workshop and became the attestants of the successful event.



Honourable’s guests on the dice, **Prof. S.K Pandey** (Vice Chancellor of Pt. Ravishankar Shukla University, Raipur), **Prof. Girish Chandel** (CEO, Chhattisgarh Biotechnology Promotion Society, Raipur), **Prof. K.L Tiwari** (Registrar, Pt. Deendayal Upadhyay Health and Ayush University, Raipur) were the Chief Guest, Special Guest and Guest of Honour respectively of the Inaugural Function of the event. The workshop was inaugurated by the dignitaries by lightening the lamp and taking the blessings of Goddess Saraswati.

Thereafter, honourable Prof. S. K. Pandey, Vice Chancellor of the University, commenced the program by sharing his advisory and motivating words with the faculties, young scholars and students of the arena of Biotechnology background. He addressed the gathering by being directive and showered his experiences that practical implementation of Biotechnology or any applied Sciences can only be built upon the strong pillars of basic and root sciences like physics, chemistry and biology. He suggested to be focused and determined towards the exchange and learning of technological advance



-ments and applying it for the betterment of mankind as well as for the economic growth of the state. He ended up his words with the positivity that this workshop will mould the attitude of the young and upcoming Biotechnologists and woven the dream for the great future of Chhattisgarh as well as India.

The workshop was moved forward in the direction and **Prof. Girish Chandel** (CEO, Chhattisgarh Biotechnology Promotion Society, Raipur) showed the right direction for the fulfilment of the dreams of an innovative individual. He beautifully and briefly explained about the purpose and plans hidden inside the title chosen for the workshop. He introduced that every technology user and provider needs a regulatory body. He pinpointed about the regulatory needs of any biotech industry approved by the Government of India. Prof. Chandel has familiarized every participant with the one year old grown Chhattisgarh Biotechnology Promotion Society. He said that the aim of this society is to merge biotechnology with the agricultural sciences and also to utilize the vast diversity of natural resources of the state. The assurance of this society is to create employment for the youth section and also to encourage the innovative ideas and business model. The society guarantees to provide Incubation Park, Incubation Centres and eco-friendly zone for the purposes. The society motivates the start-up projects and accepts more and more projects under this agenda. The principle of the society is to stand on Start-up India, Start-up Chhattisgarh thought and want to bring an industrial revolution and technological improvement in the state. He frequently emphasized on the development of great entrepreneur to make Chhattisgarh smart and scientifically, technologically and environmentally a rich state.



In continuation with the words of Prof. Chandel, **Ms. Medha Singh** (Manager, Chhattisgarh Infotech Promotion Society, Government of Chhattisgarh, Raipur) also elaborated the activities of Chhattisgarh Biotechnology Promotion Society. She added about the establishment of Incubation Park which would provide the platform for young researchers to submit their innovative proposals and utilize the facilities to produce the beneficial outcomes. Moving upon ahead, **Prof. K.L. Tiwari** (Registrar, Pt. Deendayal Upadhyay Health and Ayush University, Raipur) lightened on the role and importance of Biotechnology Department in every student's life. He also encouraged students to do good jobs in the field of Biotechnology and make the department grow day-by-day and also make it feel proud. With all these words, the Inaugural Function came to an end and simultaneously the two fruitful sessions has been started.

In the very first session, the participants heard and interacted with **Dr. Hemant Panigrahi** from Department of Horticulture, IGKV, Raipur. He very well demonstrated about the cropping pattern and its merits and de-merits. He introduced to everyone a classic and wonderful cultivation technology *i.e.* "Protective Farming" using polyhouse and shade-net technologies. He explained about the output of this technology, use in terms of improved crop quality and increased productivity. He detailed about every steps and pitfalls of the technology. He provided various practical proofs for many crops, fruits, exotic varieties and ornamental flowers. He emphasized especially towards varieties of Watermelon, Mastmelon and Gerbera. These technology grown fruits and flowers are being consistently and profitably used by the farmers. His words gave up an idea of adopting this technology and fulfilling the supply demand ratio. He boosted up the students to opt for this wonderful technology and move ahead in the business and market of Biotechnology. After his wonderful words and good interaction, the session moved further and the participants heard another leading scientist and speaker in the field of Biotechnology **Dr. Rakesh Kumar Meena**, Chief Scientist, Devleela Biotech, Raipur. Dr. Meena introduced the gathering towards various job opportunities and prospects after pursuing B. Sc., M. Sc. and Ph. D in the area of Biotechnology. He is a renowned scientist and gave several contributions in the area of plant tissue culture. He has successfully provided varieties of banana in the market. He briefly introduced the various requirements and steps involved in plant tissue culture. He produced an estimation regarding setting

up of a plant tissue culture laboratory in the available area. He beautifully resolved the curiosity of the participants regarding quality of the tissue cultured raised fruit varieties. He showed at a glance the investments and returns involved with the tissue culture projects. Finally, Dr. Meena encouraged the skilled Biotechnologist to become a great entrepreneur and also suggested the options available in the area of seed multiplication, secondary hardening, Agri-clinic and many more to start-up.



In the post lunch session, the attendees heard to **Dr. Ashok Mishra** (Director, Akash Laboratories, Raipur). A Great saying “The only source of knowledge is Experience”, by Albert Einstein. He is absolutely the true picture of experience and knowledge. He took participants towards a voyage of his professional journey and encouraged them to be focused, determined and self confident. By various practical sharing he had sown a seed of entrepreneurship in minds of every attestant of the event. He emphasized the importance of food and farmer. He assured the importance of Biotechnologist in the coming future and encouraged to become independent, honest and hard working entrepreneur for the state. He has up-surged the skilled individual to contribute to start-up India, start-up Chhattisgarh and assured his full support and assistance.

With his influential words, the session moved to the next speaker **Mr. Abhijit Chakravarty** (Senior Consultant, SeMT, Chhattisgarh). Mr Chakravarty introduced the Chhattisgarh Infotech Promotion Society, Raipur, in his lecture. He emphasized on the rapidly expanding entrepreneurship and start-up projects and assured towards the leading to a great revolution in the area of Biotechnology. Mr. Chakravarty explained the aim and purpose of the Incubation Centre which will be going to set up in City Central Mall, Pandri, Raipur. The only aim and assurance of the Chhattisgarh Infotech Promotion Society is to provide space and other facilities as well as the investments for an innovative idea. He detailed every aspect of different policies provided by Government of Chhattisgarh like 36INC for the innovative minds as well as advancements and improvement in the technological section by putting some examples. He said that the agenda of the society is to bring into limelight the great discoveries which are based on the great innovations. He explained all the “Terms and Conditions” required to apply and encouraged the participants to come-up with innovative ideas individually or in a group and build the scientific future of the state.



Every session was accompanied with the exciting discussions between the speaker and the audience. Many questions were put forwards which were beautifully and satisfactorily resolved by the eminent speakers. After the mesmerizing, exciting and knowledge based sessions, the One Day Workshop came to an end with new scopes and new dreams in the eyes of participants. The Valedictory Function of the event was started around 05:00 p.m. Honorable **Shri Dharmesh Sahu** (IAS), Registrar, Pt. Ravishankar Shukla University, Raipur, was the Chief Guest for the function. He addressed the gathering to stand-up with the altitudes set up for them in the field of Biotechnology and make Chhattisgarh, a proud and beautiful state.



Everyone was pleased and expressed a heart-filled gratitude to the Registrar of the University, **Shri Dharmesh Sahu**, Convener of the workshop **Prof. S.K. Jadhav** (Head, School of Studies in Biotechnology) and Organizing Secretary, **Prof. Keshav Kant Sahu** (School of Studies in Biotechnology). Participants also expressed their thanks to the hospitality and opportunity provided by the Department of Biotechnology and Chhattisgarh Biotechnology Promotion Society. At the end, feedbacks were collected in which participants demanded to organize many more such sessions in coming future.

(Keshav Kant Sahu)
Organizing Secretary