



INFORMATION BROCHURE 2015

Innovation LifeSciences (ILS) is a research based multidisciplinary organization established at the campus of Natural Science Research Institute (NSRI) in year 2012 dedicated towards various fields of whole Life Science Research and Development. ILS has successfully completed many assignments in the field of Biotechnology Research and Development. ILS has a team of dynamic professionals in the field of Plant Sciences, Animal and Plant Biotechnology, Nanotechnology, Pharmacy, Management, Engineering, and Sciences from Academics, Industries and in depth knowledge of various areas enables us to provide end to end solutions and services.

Natural Science Research Institute (NSRI) is one of the first research organizations in the world that is established and fully dedicated for natural science and established and on January 01, 2012 in India. NSRI is considered to be a pioneer research organization in the fields of natural sciences where all the infrastructure and expertise are available to develop scientific methods for better protection and improvement of our ecosystem including whole mankind. NSRI is a multidisciplinary research platform having laboratories consisting of scientific personnel of various areas of whole ancient, modern and natural sciences. For administrative and scientific purposes the institute's manpower has been grouped into several different R & D divisions interlinked together providing full technical and scientific support.

In view of increasing demands for trained research associates and scientists in India and abroad as a result of economic liberalization ILS has developed rigorous high content industrial training and learning program for young professionals in biotechnology, nanotechnology, plant sciences, microbiology, immunology, pharmacy, chemistry and other high demand and customized areas. The training includes advanced techniques and lab project covering in molecular biology, plant tissue culture, microbial biotechnology, bioinformatics & other fields of life sciences. It has immensely helped trainees gain knowledge and obtain hands-on lab experience to enable them obtain positions in reputed pharmaceutical and biotechnology companies in India and abroad.

ILS is having a well equipped state of art laboratory with a multidisciplinary team of scientists and technicians that provide technology solutions and analytical support to the pharmaceutical, consumer product, agriculture and food industries, services to address the critical elements of development, manufacturing and quality control. We have a team of professionals with doctorate, post-graduate or professional qualifications in management, engineering, and sciences from academics and industries. The combined experience of the team covers different functional disciplines. An in depth knowledge of various areas enables us to provide end to end solutions and services. ILS provides on demand guest lectures, technical hands-on workshops, customized sample analysis, contract research, customized lab access to complete project works, especially those doing research for their post graduation or Ph. D., project writing, data analysis and data

publication, certificate programs for online and correspondence courses and in house industrial and customized training. The Training includes laboratory Project which covers advanced techniques in bioinformatics, biotechnology, molecular biology, plant biotechnology & other fields of life sciences. Training has helped trainees to gain knowledge and obtain hands-on lab experience to enable them obtain research scientist position in reputed pharmaceutical companies. This training will prepare the candidates by providing knowledge & experience in advanced technologies currently employed in research. It will also help the candidates in designing of experiments formulating project protocols, together with hands-on-training in advanced techniques in plant tissue culture, molecular biology, transgenic technology, biotechnology and drug discovery.

Facilities at Innovation LifeSciences:

- ✓ On demand Guest Lectures on various topics.
- ✓ One day to one week hands on technical workshops.
- ✓ Various on demand and customized hands on training programs.
- ✓ Mini projects and dissertation work.
- ✓ Major research projects and case study.
- ✓ Outsourcing and customized research.
- ✓ Contract research facilities.
- ✓ Customized lab access and project outsourcing.
- ✓ Project writing, Synopsis preparation and Thesis preparation.
- ✓ Data analysis and manuscript publication.
- ✓ Customized sample preparation and sample analysis.
- ✓ Consultancy services.
- ✓ On site and in house faculty training.

Research Projects at Innovation LifeSciences:

1. "Isolation, Production and Purification of Antibiotics isolated from various soil microbes."
2. "Optimization of culture conditions and effect of physical and chemical mutagens on production of highly stable and potent alpha amylase from *Bacillus amyloliquefaciens*."
3. "A study of antimicrobial activity of medicinal plants against various multi drug resistant pathogens and their molecular characterization."
4. "Production, purification and characterization of amylases from various microbes."
5. "Selective characterization of high yielding and drought resistant varieties of *Cicer arietinum* (L.) using RAPD markers."
6. "Production of bioethanol with cheap starchy and cellulosic substrates using improved strains of thermo tolerant *Saccharomyces cerevisiae*."
7. "Studies on antimicrobial activity of *Rosa indica*."
8. "Isolation and characterization of potent oil degrading microbes from oil contaminated sources; cloning and expression of oil degrading genes in *E. coli*."
9. "Isolation and characterization of multi drug resistant pathogens utilizing antibiotics as carbon source."
10. "Production, purification and characterization of azo reductases from various microbes involved in bio degradation of azo dyes."
11. "Biodiversity of *Psoralea corylifolia* plants yielding high content of anticancerous bioactive compounds genistein, diadzein and psoralen and its molecular characterization by RAPD markers."

Admissions open for project dissertation work:	
One time registration fee:	1,000.00 INR
Training:	
For one month training (any course)	5,000.00 INR
Dissertation:	
For 3-4 month project	12,000.00 INR
For 6-8 month project	20,000.00 INR

How to apply:

Please do send the duly filled application form, resume, scanned copy of certificates, two passport sized photographs and registration fee to us at **by email** or **by courier** us at following address:

NOTE: One time registration fee and course fee could be deposited by cash/D.D./direct deposit to account/NEFT/online transfer to the account of society. Account details are as below:

Account No.: 0314104000051660
Name: Shyam Education and Development Society
Bank: IDBI Bank, Manoj Pandey Chowk, Gomti Nagar, Lucknow, U. P.
IFSC Code: IBKLO000314

With kind regards:

ILS HelpCare
Innovation LifeSciences
NSRI Campus,
2/562, Vivek Khand,
Gomti Nagar, Lucknow-226010
Tel. 0522-2991219/94158-30300
E-mail: ilifesciences@gmail.com
Web.: www.ils.nsri.in