



## Innovation Centre, Bundelkhand University, Jhansi

### Summer Training Programme on Advanced Agro-Pharma-Biotechnology Research Equipments (May 16 – 30, 2019)

The Summer Training Programme on Advanced Agro-Pharma-Biotechnology Research Equipments is a two weeks long hands-on training course offered by the Innovation Centre, Bundelkhand University, Jhansi. The participants of this programme will gain the training in a research friendly unique academic ambience for cutting-edge scientific research in the field of Biological, Agricultural, Pharmacological, Physical, Chemical and Geosciences. The participants will be trained for operating the high end research equipments viz. X-Ray Diffractometer (X-RD), GC-MS, Real Time-PCR etc. Detailed schedule of training is given below. Along with application knowledge of the machine the greater emphasis will be laid on the fundamental analytical & wet-lab tools and techniques relevant to Agro-Pharma-Biotechnology.

- **Course Content:** Basic & Advanced techniques pertaining to Biological, Physical, Chemical, Pharmaceutical, Agricultural, Forensic and Geoscience.
- **Training Schedule:**

S. No	Date & Day	Name of the equipment(s)	Application Area
1.	16 <sup>th</sup> May, 2019; Thursday	Particles Quantity Measurement System (PQMS)	Physical Sciences
2.	17 <sup>th</sup> May, 2019; Friday	Scanning Tunneling Microscope (STM)	Physical Sciences
3.	18 <sup>th</sup> May, 2019; Saturday	Soxhlet extraction	Pharmaceutical, Biological, Agricultural Sciences
4.	19 <sup>th</sup> May, 2019; Sunday	Vacuum Rotaevaporator	Pharmaceutical, Biological, Agricultural Sciences
5.	20 <sup>th</sup> May, 2019; Monday	Gas Chromatography-Mass Spectrometry (GC-MS)	Pharmaceutical, Biological, Forensic, Agricultural Sciences
6.	21 <sup>st</sup> May, 2019; Tuesday		
7.	22 <sup>nd</sup> May, 2019 Wednesday	Lyophilizer	Pharmaceutical, Biological, Agricultural Sciences
8.	23 <sup>rd</sup> May, 2019 Thursday	Real Time-PCR	Molecular Biology, Forensic, Agricultural Sciences
9,	24 <sup>th</sup> May, 2019 Friday	✓ 2D Gel Electrophoresis ✓ Digital Imaging System	Molecular Biology

10.	25 <sup>th</sup> May, 2019 Saturday	Biomedical Data Acquisition System	Biomedical Sciences
11.	26 <sup>th</sup> May, 2019 Sunday	Drosophila Culture & Facility	Cytogenetics, Drosophila Biology
12.	27 <sup>th</sup> May, 2019 Monday	✓ Drosophila Culture & Facility ✓ Fluorescence attached Inverted Microscope	Cytogenetics, Drosophila Biology
13.	28 <sup>th</sup> May, 2019 Tuesday	X-Ray Diffractometer	X-Ray Diffractometry
14.	29 <sup>th</sup> May, 2019 Wednesday	✓ X-Ray Diffractometer ✓ Ultra centrifuge	X-Ray Diffractometry
15.	30 <sup>th</sup> May, 2019 Thursday	Valedictory & Certificate distribution	

*Note- University reserves the right of rearranging the order of equipments training.*

- **Eligibility:** Students pursuing/completed post-graduate courses in Basic & Applied Sciences, Pharmaceutical Sciences, Agricultural Sciences, Forensic Sciences, Geo Sciences and Medical Sciences are encouraged to apply.
- **Seats:** Maximum 30 students will be admitted to the course. However, university reserve the right of increasing/decreasing the number of seats subjected to the conditions of requiring so.
- **Application Procedure:** Interested candidates may submit their application on the prescribed format attached below (also available at university website [www.bujhansi.ac.in](http://www.bujhansi.ac.in)) to us through e-mail at [innovationcentre@bujhansi.ac.in](mailto:innovationcentre@bujhansi.ac.in) on or before 30 April, 2019.
- **Selection:** Procedure of screening and selection will be based upon academic credentials only. The selected candidates will be informed through e-mail by 02<sup>nd</sup> May, 2019 for the payment of Registration Fee latest by 10<sup>th</sup> May, 2019.
- **Fees:** Registration fee of the course is Rs. 3000/= (Rs. ThreeThousand Only) to be paid through demand draft to the Finance Officer, Bundelkhand University payable at Jhansi. No lodging/boarding shall be provided in the above fee. The participants shall have to make their own arrangements for the same. On the request of applicants university may provide hostel/annexe accommodation on first come first serve basis. However, candidates will have to pay requisite amount for the same.



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#### APPLICATION FORM

1. Name (as per documentary proof):
2. Father's Name:
3. Date of Birth (DD/MM/YYYY):
4. Corresponding Address including mobile no. & E-mail:

Paste your  
recent  
photograph  
here

5. Educational/Professional Qualifications (*pl. enclose scanned copy of mark sheet & Degree certificate*).

S. No.	Degree/Exam.	Board/College/University	Year	Division	% age
1.	HSC (Xth)				
2.	HSSC (10+2)				
3.	B.Sc/B.Pharm/ B.Tech/MBBS				
4.	M.Sc/M.Pharm/ M.Tech/MS/MD				
5.	Research experience, if any				

6. Details of Training Taken, if any
7. Any other relevant information

I hereby declare that the information given above is true and correct to the best of my knowledge and belief. Decision of organizers about selection of my candidature for training shall be acceptable to me in all cases.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_

Full Signature of Applicant

**Note: Candidates are required to attach bonafide certificate along with this form. Kindly mail the complete form at [innovationcentre@bujhansi.ac.in](mailto:innovationcentre@bujhansi.ac.in) latest by 30<sup>th</sup> April, 2019.**

**Further information/enquiries, please contact:**

#### **Innovation Centre**

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Web- [www.bujhansi.ac.in](http://www.bujhansi.ac.in)