

**Consortium
Biotech Workshop**
Digital Free Online on
Google Meet

SCHOOL OF BIOTECHNOLOGY
RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA
BHOPAL (M.P.)



BIOTECH WORKSHOP CONSORTIA	NAME OF THE WORKSHOP	DATE
Workshop 01 Register here: https://docs.google.com/forms/d/1v3iG0L88kAulYznduM5oP-007706dL_01-0116vd	How to start the Lab work under aseptic conditions?	01-02 June 2020
Workshop 02 Register here: https://docs.google.com/forms/d/1DdL_W70Dw0t_e2Y7yL_3Tcvd3W4fbbelDv0T702edf	How Microbes are fascinating?	07-08 June 2020
Workshop 03 Register here: https://docs.google.com/forms/d/1Y8U3vM2Tm2t0e0T0P7070Y00e0U0Dv0e0U7T03_0021y	How to study the beauty of DNA?	14-15 June 2020
Workshop 04 Register here: https://docs.google.com/forms/d/1L1A5ay0tm00_0d8F70d0m0Y33_0T702V00y00y0	How the gene is expressed in the form of protein?	21-22 June 2020
Workshop 05 Register here: https://docs.google.com/forms/d/13ued173ud1au07dF_e0S0m0C2E0W_0m_0oD000Y00V010	How computer helps in the designing of Biological Data?	28-29 June 2020

Eligibility: Under Graduation & Post Graduation Students of all disciplines of Life Sciences/Biosciences/Biotechnology /Bioinformatics/ Food Technology & allied fields.



Consortium Biotech Workshop

Organized by

SCHOOL OF BIOTECHNOLOGY

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL (M.P.)

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Workshop 01: How to start the Lab work under aseptic conditions? (01- 02 June 2020)

Register here: https://docs.google.com/forms/d/1vRREcOS4d4qAqPgenrkoM0cPa9XZB9ebl_Oil-SBSn4c

Workshop 02: How Microbes are fascinating? (07-08 June 2020)

Register here: https://docs.google.com/forms/d/1DnLWFQcof1x2SYbj_3Xrsq93jdDubuIPud3TXletgcI

Workshop 03: How to study the beauty of DNA? (14-15 June 2020)

Register here: <https://docs.google.com/forms/d/1YWtFtsMfZkuoWqsFDRZZYMHxPUfJez1nNjiTWLBhRbs>

Workshop 04: How the gene is expressed in the form of protein? (21-22 June 2020)

Register here: https://docs.google.com/forms/d/1LLAEeyrqlrevIG_GdFT9z6QyoY73_HTZCtlVCoqOZg8

Workshop 05: How computer helps in the designing of Biological Data? (21-22 June 2020)

Register here: https://docs.google.com/forms/d/17BasUcac7zcE_uWOm-tfKZKqW_ixa_Wp7GsGnYrWcHq

Eligibility: Under Graduation & Post Graduation Students of all disciplines of Life Sciences/Biosciences/Biotechnology /Bioinformatics/ Food Technology & allied fields.

Workshop 01

Register here: https://docs.google.com/forms/d/1vREcOS4d4nAoPzenrkoM0cPa9XZB9ebl_0l-SBSn4c

How to start the lab work under aseptic conditions?

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01- 02 June, 2020

S.No.	Topic	Resource Person
01.	Pre-fumigation	Prof. (Dr.) Archana Tiwari Director, SOBT, RGPV, Bhopal
02.	Fumigation	Ms. Riddhi Tiwari Doctoral Fellow, SOBT, RGPV, Bhopal
03.	Post-fumigation	Ms. Shivangi Shrivastava M. Tech. IV Semester, SOBT, RGPV, Bhopal
04.	Cleaning of glass wares	Ms. Aditi Pareek M. Tech. IV Semester, SOBT, RGPV, Bhopal
05.	Sterilization (Autoclaving, Baking & Drying)	Ms. Aakriti Chouhan Doctoral Fellow, SOBT, RGPV, Bhopal
06.	Preparation of the Solutions (Stock & working solution)	Dr. Suresh K. Jatawa Assistant Professor, SOBT, RGPV, Bhopal
	a. Volume/Volume	
	b. Weight/Volume	Dr. Mritunjai Singh Assistant Professor, SOBT, RGPV, Bhopal

Workshop 02

Register here: : https://docs.google.com/forms/d/1DnLWFQcof1x2SYbj_3Xrsq93jdDubuIPud3TXletgcI

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How Microbes are fascinating?

07-08 June, 2020

S.No.	TOPIC	RESOURCE PERSON
01.	Microbial strain selection	Prof. (Dr.) Archana Tiwari Director, SOBT, RGPV, Bhopal
02.	Media preparation, selection & Broth preparation	Ms. Shivangi Shrivastava M.Tech. IV Semester, SOBT, RGPV, Bhopal
03.	Plate preparation	Ms. Riddhi Tiwari Doctoral Fellow, SOBT, RGPV, Bhopal
04.	Slants preparation	Ms. Aakriti Chouhan Doctoral Fellow, SOBT, RGPV, Bhopal
05.	Serial Dilution	Dr. Mritunjai Singh Assistant Professor, SOBT, RGPV, Bhopal
06.	Streaking & Spreading	Dr. Suresh K. Jatawa Assistant Professor, SOBT, RGPV, Bhopal
07.	Growth curve- Bacteria & Fungus	Ms. Aditi Pareek M.Tech. IV Semester, SOBT, RGPV, Bhopal

Workshop 03

Register here: <https://www.google.com/joinme/d/YWlFisMEZQuoWqgFDRZZYMEkPUQczIwNJTWUJhRIs>

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How to study the beauty of DNA?

14-15 June, 2020

S.No.	TOPIC	RESOURCE PERSON
01.	Detection of Model: Microbes, Plants, Animals and Human	Prof. (Dr.) Archana Tiwari Director, SOBT, RGPV, Bhopal
02.	Extraction and isolation of DNA from Microbe	Ms. Aakriti Chouhan Doctoral Fellow, SOBT, RGPV, Bhopal
03.	Extraction and isolation of DNA from Animal	Dr. Suresh K. Jatawa Assistant Professor, SOBT, RGPV, Bhopal
04.	Extraction and isolation of DNA from Plant	Ms. Shivangi Shrivastava M.Tech. IV Semester, SOBT, RGPV, Bhopal
05.	Extraction and isolation of DNA from Human	Ms. Riddhi Tiwari Doctoral Fellow, SOBT, RGPV, Bhopal
06.	Purification & Quantification of DNA	Dr. Mritunjai Singh Assistant Professor, SOBT, RGPV, Bhopal
07.	Preparation of the Gel Loading of samples Running of the Gel Visualization of DNA on Agarose Gel	Ms. Aditi Pareek M.Tech. IV Semester, SOBT, RGPV, Bhopal

Workshop 04

Register here: https://docs.google.com/forms/d/1LLAEevrqlrevIG_GdFT9z6QvoY73_HTZCtIVCoqOZg8

How the gene is expressed in the form of protein?

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21-22 June, 2020

S.No.	TOPIC	RESOURCE PERSON
01.	Cloning of DNA fragments	Prof. (Dr.) Archana Tiwari Director, SOBT, RGPV, Bhopal & Ms. Riddhi Tiwari Doctoral Fellow, SOBT, RGPV, Bhopal
02.	Cloning Vectors	Dr. Mritunjai Singh Assistant Professor, SOBT, RGPV, Bhopal
03.	Expression Vectors	Dr. Suresh K. Jatawa Assistant Professor, SOBT, RGPV, Bhopal
04.	Screening of the colonies (Blue/white screening)	Ms. Aditi Pareek M.Tech IV Semester, SOBT, RGPV, Bhopal
05.	Purification of protein	Ms. Shivangi Shrivastava M.Tech IV Semester, SOBT, RGPV, Bhopal
06.	Protein estimation	Ms. Aakriti Chouhan Doctoral Fellow, SOBT, RGPV, Bhopal
07.	Western blot analysis	Ms. Umang Deshmukh SOBT, RGPV, Bhopal

Workshop 05

Register here: https://docs.google.com/forms/d/17BasUcac7zcE_uWOm-tfKZKqW_ixa_Wp7GsGnYrWcHQ

How computer helps in the designing of Biological Data?

28-29 June, 2020

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S. No.	TOPIC	RESOURCE PERSON
01.	Information retrieval from different Databases	Prof. (Dr.) Archana Tiwari Director, SOBT, RGPV, Bhopal
02.	BLAST	Ms. Aditi Pareek M.Tech. IV Semester, SOBT, RGPV, Bhopal
03.	FASTA	Ms. Riddhi Tiwari Doctoral Fellow, SOBT, RGPV, Bhopal
04.	Genome map analysis	Dr. Suresh K. Jatawa Assistant Professor, SOBT, RGPV, Bhopal
05.	Primer designing	Dr. Mritunjai Singh Assistant Professor, SOBT, RGPV, Bhopal
06.	Protein designing	Ms. Shivangi Shrivastava M.Tech. IV Semester, SOBT, RGPV, Bhopal
07.	Protein-protein interaction	Ms. Aakriti Chouhan Doctoral Fellow SOBT, RGPV, Bhopal