

**ACADEMIC CALENDAR 2020-2021**

**SCHOOL OF BIOSCIENCES**

**JUNE 2020**

<b>Sl. No:</b>	<b>Description</b>	<b>Date Planned</b>
1	Journey from student to Researcher - (Ajith Ashokan, Research Scholar, IISER, Bhopal)	June 5, 2020
2	Emerging trends and opportunities in Life Science Research	June 10, 2020
3	Commencement of Third semester online class	June 15, 2020
4	Recent Advances in Food Packaging Technology (Dr. Arun Kumar P, CSIR-CFTRI)	June 22, 2020
5	Commencement of Fourth Semester University Examination (2018-2020)	June 23, 2020

**JULY 2020**

<b>Sl. No:</b>	<b>Description</b>	<b>Date Planned</b>
1	Chromosome Structure and Segregation William C. Earnshaw, Ph.D., FRS, FRSE, FMedSci	July 1, 2020
2	The Chemical Language of Nature by Dr. Shannon Olsson, (NCBS), Bangalore)	July 7, 2020
3	Science, biology, and the world's future Bruce Alberts, Ph.D. ( University of California,	July 10, 2020

	San Francisco)	
4	Modern Analytical Instrumentation and their Applications in Food Science by Vatcharavelu K. (CSIR- CFTRI)	July 15, 2020
5	Cancer Nanotechnology by Dr. P. Gopinath Ph.D., Indian Institute of Technology Roorkee	July 17, 2020
6	Science: the joy of figuring things out. By Alejandro Sánchez Alvarado (Stowers Institute for Medical Research Missouri)	July 23, 2020
7	Third semester First internal examination`	July 27-31, 2020
8	Lessons Learned in Lockdown by Christopher P. Baines, Ph.D. (University of Missouri Columbia)	July 27, 2020
9	Traffic jams in healthy neurons regulate cargo flow by Sandhya P. Koushika,Ph.D. (Tata Inst. of Fundamental Research)	July 29, 2020

### AUGUST 2020

Sl. No:	Description	Date Planned
1	August 1 : Going Viral:Evolution and Spread of SARS-CoV-2 by Prof. Partha P Majumder, Ph.D. (National Institute Of Biomedical Genomics, West-Bengal)	August 1, 2020
2	Regulation of rapid adaptive responses in microorganisms Sander Granneman, Ph.D. (University of Edinburgh)	August 3, 2020

3	Science Communication through Sciencetoons Prof. Pradeep K. Srivastava,Ph.D. (CSIR-CENTRAL DRUG RESEARCH INSTITUTE (CDRI))	August 6, 2020
4	Introduction to Tissue Engineering: The State of the art technology to Repair and Regenerate the human body by Dr. Gauri Kulkarni, (Wake Forest Institute for Regenerative Medicine ,USA)	August 8, 2020
5	Flower evolution in a nutshell by Annette Becker, Justus-Liebig-University	August 10, 2020
6	Personal Genomes to Precision Medicine-Implications for Rare Genetic Diseases by Sridhar Sivasubbu, PhD., (CSIR-IGIB)	August 12, 2020
7	Life at Science by Valda J. Vinson Editor, Science	August 13, 2020
8	Multiple Facets of Gene Regulation: through the Eyes of Pseudoexfoliation by (Debasmita P. Alone, Ph.D. National Institute of Science Education and Research (NISER), Odisha)	August 17, 2020
9	Speed Control in Animals: Making and Breaking Rules by Dr. Vatsala Thirumalai Tata Institute for Fundamental Research	August 18, 2020
10	Drosophila and Zebrafish as human disease models by Prof. Upendra Nongthomba Indian Institute of Science	August 25, 2020
11	Epigenetic regulation, heterochromatin and fungal resistance by Robin Allshire ,Ph.D (UNiversity of Edinburgh)	August 26, 2020
12	The Dance of Life: Symmetry, Cells and How We Become Human by Roger Highfield ,Ph.D. (University of Oxford &UCL)	August 27, 2020
13	Studying Asian Honey Bees by Dr. Axel Brockmann (Tata Institute of Fundamental Research)	August 29, 2020

**SEPTEMBER 2020**

<b>Sl. No:</b>	<b>Description</b>	<b>Date Planned</b>
1	Innate immune surveillance by Surfactant protein SP-D in cancer by Dr Uday Kishore (University of Oxford, London)	September 3, 2020
2	Neuroendocrine regulation of metabolic physiology by Prof Bhavani Shankar Sahu (National Brain Research Centre, Manesar)	September 5, 2020
3	A theoretical perspective on the coding capacity of olfactory networks by Prof. Assisi Collins (Indian Institute of Science Education and Research, Pune)	September 8, 2020
4	Nano-size steps and meter-long journeys– Reaching destinations through obstacles and random walk Prof. Krishanu Ray (Tata Institute of Fundamental Research, Mumbai)	September 14, 2020
5	Third semester second internal examination	September 21-25, 2020
6	Towards a systems- level understanding of proliferation control in human cells by Tony Ly ,Ph.D. (University of Edinburgh)	September 24, 2020
7	Linking DNA replication to chromatin organization, cell cycle progression and genome stability by Prof.Supriya G. Prasanth ( University of Illinois)	September 28, 2020

8	Bioweapons: a view on defense of the crops and foods against insects by Prof. S. Ezil Vendan (CSIR - Central Food Technological Research Institute, Mysore)	September 29, 2020
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### OCTOBER 2020

Sl. No:	Description	Date Planned
1	Nonmuscle Myosin II Activity Controls Membrane Protrusive Activities by (Prof. Siddhartha S. Jana, Ph.D Indian Association for the Cultivation of Science, Kolkata)	October 1, 2020
2	Millets: Nutritional potential and challenges by (Prof Dr. Paras Sharma ICMR-National Institute of Nutrition, Hyderabad)	October 8, 2020
3	On Odor Reproduction, and How to Test For It by (Prof. David Harel, The Weizmann Institute of Science, Israel)	October 12, 2020
4	Research and its dissemination during the pandemic (Magdalena Skipper, Editor, Nature)	October 20, 2020
5	Application of GC-MS in analysis of essential oils (Dr. V.K. Varshney Forest Research Institute Dehradun)	October 30, 2020

## NOVEMBER 2020

Sl. No:	Description	Date Planned
1	Soft Skill Development and Aptitude Training for S4 by Corporate Relations	November 2 & 4, 2020
2	AI in Healthcare: National and Global Imperatives (Dr. Anurag Aggarwal, Ph.D. (CSIR-IGIB), Delhi)	November 3, 2020
3	Prospects and opportunities in Science Communication (Dr Manoj Kumar Patairiya, DST, Govt.of India)	November 5, 2020
4	COVID-19 Vaccines by Prof. Raghavan Varadarajan, Ph.D, Indian Institute of Science, Bangalore	November 11, 2020
5	Green chemical synthesis using bi-functional linkers by B.S. Balaji, Ph.D, Jawaharlal Nehru University, New Delhi	November 16, 2020
6	The functions of noncoding RNAs in the cell, and their involvement in cancer by Kannanganattu V. Prasanth, PhD, University of Illinois	November 17, 2020
7	Science Film Screening for Skilling by Matiur Rahman, National award winning Science Film Maker)	November 18, 2020
8	Understanding an Asian Elephant Society by Vidya T.N.C,Ph.D. JNCASR, Bengaluru)	November 20, 2020
9	Intellectual Property Rights (IPR) & Patent process by Ms. Pooja Vishal Maulikar, Rajiv Gandhi National Institute of Intellectual Property Management, Nagpur	November 23, 2020

## DECEMBER 2020

Sl. No:	Description	Date Planned
1	Engineered nanostructured materials for biomedical applications by Dr. Nandakumar Kalarikkal, Int. and Inter University Centre for Nanoscience and Nanotechnology, MG university, Kottayam	December 22, 2020
2	Inauguration of MSc Bionanotechnology and PG 20-22 batch by Prof. Dr. Sabu Thomas, Vice Chancellor, Mahatma Gandhi University.	December 28, 2020

## JANUARY 2021

Sl. No:	Description	Date Planned
1	G N Ramachandran Science Club Lecture by Prof. Murty, IISER-Thiruvananthapuram	January 1, 2021
2	"Advanced Glycation Endproducts and kynurenine Pathway" Dr. Cibin T Raghavan, IISER TVPM	January 6, 2021
3	First semester classes in online mode for the 2020-22 batch started from 11 <sup>th</sup> January after the orientation classes.	January 11, 2021
4	Third Semester MSc Model exams were conducted from 18th January 2021 to 22nd January 2021	January 18-22, 2021
5	Green and Sustainable Routes for Shellfish Waste Valorization' Dr. Gincy Marina, CSIR-NIIST Second semester MSc PGCSS University exams were	January 22, 2021

	completed in January including the practical exams.	
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### FEBRUARY 2021

Sl. No:	Description	Date Planned
1	"Role of FSSAI in Ensuring Food Safety and Good Health" by Dr. Sanu Jacob, Director, FSSAI, Government of India.	February 6, 2021
2	First semester classes were shifted from online mode to offline/online mode from the 22 <sup>nd</sup> of February, 2021	February 22, 2021
3	"Valorization of natural byproducts to eco-friendly bioproducts- an interdisciplinary approach" by Dr. Subha K, post-doctoral fellow, Department of Biotechnology, CUSAT	February 25, 2021

### MARCH 2021

Sl. No:	Description	Date Planned
1	National Science Day celebrations by School of Biosciences Commencement of first semester practical classes	March 1, 2021
2	"Microbial and Biochemical Spoilage Mechanisms in Fishery Products" by Dr. Dhanya P. R., Asst prof, Dept of Aquaculture, M.E.S Asmabi College, Thrissur	March 8, 2021
3	International Women's Day celebrations with Mrs. Smitha Suraksha, MD of Suraksha Group of companies	March 10, 2021

4	March 12 : Biocide options to control the transmission of pathogens & Masters or Ph. D. in New Zealand by Dr. Shilpa Saseendran Nair, Faculty of Medical and Health Science, University of Auckland, New Zealand.	March 12, 2021
5	Commencement of Third Semester PGCSS University Examination (2019-2021 batch) Examination of MCA 2020-2022 Batch	March 15, 2021
6	" Role of microbes in our world" by Dr. Michael Sauer, Asso Prof, Dept of Biotechnology, Institute of Microbiology and Microbial Biotechnology, BOKU - University of Natural Resources and Life Sciences, Austria.	March 16, 2021

#### APRIL 2021

Sl. No:	Description	Date Planned
1	<p>"Gene therapy in Glycogen Storage Disease" by Dr. Nelson George, Postdoctoral visiting fellow, Section of Cellular Differentiation, NICHD, NIH, Bethesda, USA.</p> <p>Internal Examinations conducted for 2020-22 batch both offline and online</p>	April 19, 2021
2	Joint FDP with Amity university entitled "Artificial Intelligence: Opportunities in COVID –19 Drug development and disease management"	April 24, 2021
3	"Essentials of Clinical Research" by Mr. Abhilash T.S., Drug Safety Coordinator, Icon Clinical Research, Thiruvananthapuram.	April 29, 2021

**MAY 2021**

<b>Sl. No:</b>	<b>Description</b>	<b>Date Planned</b>
1	International Webinar Series on Current Trends in Molecular Life Sciences	May 20-31, 2021
	Completion of First semester theory for 2020-22 batch	