Convocation Report

9th Convocation of IISER Mohali

3:00pm

August 20, 2020

Online Convocation

1. Invocation by a group of students	3:00pm
2. Chairperson, Board of Governors (BoG) declares the Convocation open	3:05pm
3. Award of degrees	3:10pm
4. Exhortation of the graduates by the Senate Chairperson	4:00pm
5. Award of medals	4:05pm
6. Director's report	4:10pm
7. Introduction of Chief Guest Prof. Gagandeep Kang by BoG Chairperson	4:25pm
8. Convocation address by Chief Guest Prof. Gagandeep Kang	4:30pm
9. BoG Chairperson declares the Convocation closed	5:00pm
10. National Anthem followed by the end of webcast	5:03pm

Exhortation of the graduates by the Senate Chairperson:

Remember that your knowledge and intellectual attainment is the most sacred wealth of the nation. You shall, therefore, use it in a manner befitting the honour and dignity of your country and of your alma mater. You shall make every effort, in all circumstances, to uphold the dignity of your profession and integrity of your character. You shall endeavour, in every way, through thought, word and action, to bring about the well-being of the people. You must live a well-disciplined life. Never forget the commandment of the sacred scriptures: 'Thou shalt perform deeds that are commendable and no others.'

Director's Report

Good afternoon! Let me begin by extending my heartiest congratulations and best wishes to all the students who are graduating with BS, MS and PhD degrees today, at the 9th Convocation of the Institute. It is indeed a proud and happy occasion for the graduating students, their parents and families, and to all of the faculty and staff in the Institute as well.

I take this opportunity also to welcome for this celebration our Chairperson of the Board of Governors Dr. Renu Swarup and the members of the Board, the Chief Guest Prof. Gagandeep Kang, members of the Senate, the family members and other students who have joined us today.

As all of you are aware, the prevailing circumstances have dictated that this is an online Convocation ceremony, but the importance of the event is undiminished for all the graduates for whom this day represents the successful culmination of several years of study, research and hard work, a day which they can celebrate with their near and dear. At the same time, if they are missing the pomp and the ceremony of a physical Convocation, I wish to assure them that they are most welcome to come to the Institute for any of the Convocations in the next three years and we will be delighted to include them for receiving their degrees in person at that time.

I shall now briefly touch upon the Institute and its achievements and accolades in the past year. In just over a dozen years since its establishment, IISER Mohali has created a name for itself across the world for its teaching and its research; and the seven IISERs that now exist have together built a credible and an enviable brand image that would bring pride to all the country's citizens. A large proportion of IISER graduates are pursuing research careers, and we all hope that in the coming years many of them will be enriching our teaching and research institutions in a positive feedback cycle so as to massively enhance capability and capacity in the country.

As in the previous years, our achievements this year too have been outstanding, with contributions by both faculty and the students.

In the Nature index ranking, IISER Mohali ranked 2nd among all the academic institutions in India in the field of Life Sciences in the year 2020. Dr. Kausik Chattopadhyay was elected as Fellow of the National Academy of Sciences, India. Dr. Lolitika Mandal and Dr. Kausik Chattopadhyay were elected as members of the Guha Research Conference. Dr. Mahak Sharma has been recipient of the Professor Har Swarup Memorial Award of The Indian National Science Academy, BM Birla Science

Prize in Biology, and the Professor BK Bachhawat International Travel Grant. Dr. Samrat Mukhopadhyay was appointed to the editorial board of Biophysical Journal, and Dr. Mahak Sharma to those of Journal of Cell Science and eLife. Drs. Mahak Sharma and Shravan Kumar Mishra were awarded the Wellcome Trust/DBT-India Alliance Senior and Intermediate Fellowships, respectively.

From the Department of Chemical Sciences, three faculty Drs. Jino G, S Maiti and S. K. Pal received MHRD-STARS 2020 project awards. Drs. S Maiti and Raj Kumar R were recipients of the DST/Early Career Award, and Monika Sharma the Bharat Vikas Award. The Department was successful in obtaining the DST-FIST grant for procuring a new 400 MHz NMR machine. Students and postdocs who secured prestigious awards or fellowships included: Anjana R. Kamath (BSMS) - DAAD Fellowship; Gayathri S Singaraju (PhD) - International EMBO Travel Award; Jagadish P Hazra (PhD) - International Travel Award and Invitation for Oral presentation in Biophysical Society Meeting, USA; Samita M (PhD) - ACS Omega Award; Sakshi C (PhD) - ACS Applied Energy Materials Award in the 26th CRSI National Symposium in Chemistry; Jaibir S (PhD) - SPM PhD fellowship grant from CSIR; Mayank Saraswat (PhD) - selection to attend the forthcoming 70th Nobel Laureates meeting at Lindau, Germany; and Dr. Subhash Chander (post-doc) - ACS CAS Future Leaders Program Award. The first edition of the CRIKC Chemistry Symposium was also held this year at IISER Mohali.

The faculty members of the Department of Earth and Environmental Sciences have continued to win international recognition. Dr. Sunil Patil was appointed Guest Editor for a Special issue on “Microbial Electrochemical Technologies” in Bioresource Technology Reports, Dr. Baerbel Sinha was appointed to the Scientific Steering Committee for the International Global Atmospheric Chemistry (IGAC) second tropospheric ozone assessment report (TOAR-II), under the umbrella of the Future Earth Project. The department with just 5 permanent faculty members was ranked 10th on the 2020 Earth and Environmental Science Nature Index of Academic Institutions in India. Several students who won awards at international conferences in the past year included: Ashish K Sharma (PhD) and Lejish V P (BSMS) - Outstanding Student Poster presentation awards at the EGU General Assembly in Vienna, Austria; and Ravi Kumar Yadav (PhD) - First prize in oral presentation at the SPARC-funded Indo-Belgian conference.

The Department of Humanities and Social Sciences organized an interdisciplinary workshop entitled Engaging Science: Conversation across Disciplines. Scholars deliberated on topics ranging across science education, science communication, women in science, science and society, and the history of science. The Department has also started a minors program in ‘Science and Society.’ Dr. Parth Chauhan was awarded a STARS grant from the Ministry of Human Resources and Development. Jayashree Mazumder, PhD student was awarded a Fulbright-Nehru Doctoral Research

Fellowship, and Dalia Bhattacharjee, a recent PhD graduate was awarded a Fulbright-Nehru Postdoctoral Fellowship.

The Department of Mathematical Sciences has been selected for DST-FIST Level-1 grant for a period of five years. One of its faculty Dr. Mahender Singh has been awarded the prestigious Swarna Jayanti Fellowship. For the Department, it is also a matter of pride that several amongst its first set of PhD alumni have joined premier research Institutes as faculty members: Ajay Kumar, IIT Jammu; Dilpreet Kaur, IIT Jodhpur; Shiv Parsad, IIT Goa and Anuj Jakhar (who did both his BS-MS and PhD here), IIT Bhilai.

Colleagues from the Department of Physical Sciences have published a number of important research papers during the last year, in journals of repute such as Nature Communications, Physical Review Letters, MNRAS, and Europhysics Letters. Additionally, many colleagues also published pedagogical articles in Resonance to help undergraduate students understand certain advanced concepts. A number of undergraduate students co-authored many of the research papers mentioned above. Dr. Anosh Joseph published a book entitled "Markov Chain Monte Carlo Methods in Quantum Field Theories: A Modern Primer" (Springer Briefs in Physics, Springer). Two of the Department’s MS15 students (Yash Rana and Misha Gupta) have been offered PhD positions in Harvard University.

With these words, let me once again congratulate all the students who are graduating today and especially those amongst you who are receiving the Medals and Prizes for your outstanding performances. On behalf of the Institute, I wish each one of you the very best in your future life and career. Both and the Institute and this country have extremely high expectations from you, and we look forward to the high laurels you will earn in the coming years.

Thank you,

About the Chief Guest

Prof. Gagandeep Kang is a scientist and medical microbiologist who has contributed immensely to research in the area of infectious diseases of the human gastrointestinal tract, especially those causing diarrheas in infants and children who live in tropical countries. Prof. Gagandeep completed her MBBS, MD and PhD degrees from the Christian Medical College, Vellore, and she runs a very successful research group and lab at CMC in clinical microbiology.

Her research has provided major insights into major intestinal pathogens such as rotavirus, bacteria causing typhoid and dysentery, Campylobacter, and so on. Not only has her work in the lab been outstanding, Prof. Kang is also deeply immersed in public health research, and it is this combination of bench research and field research that have defined Prof. Kang's unique strengths and successes.

Prof. Kang has made pioneering contributions to the development of rotavirus vaccine, which was a collaborative effort along with the late Prof. M.K. Bhan. Her research has also given us a clearer understanding of the intimate relationship between nutritional status and diarrheal diseases in children, especially in rural settings and in urban slums. She is also a role model for the medical students interested in research.

Prof. Kang has received numerous awards and recognitions for her work. Amongst these the noteworthy ones are the Infosys Prize in 2016, and elections to Fellowships of the Indian National Science Academy and the Indian Academy of Science. Last year, Dr. Kang was elected as Fellow of the Royal Society, U.K.

Chief Guest's Address

Respected Dr. Renu Swarup, Chairperson Board of Governors, Professor Gowrishankar, Director, IISER Mohali, members of the BoG, Senators, faculty members, students, and parents.

This is a special occasion. After years of striving and effort, you have achieved what you set out to do, and the path to this success will not have been easy except for very few. My heartfelt congratulations to all those who are receiving their degrees today, with a special appreciation to those who have received awards and distinctions.

Indian Institute of Science Education and Research Mohali was established with a vision to support the journey of a new generation of scientists dedicated to the pursuit of knowledge in frontier areas of basic sciences. In so doing, the institute aims to emerge as a global centre of learning, academic excellence, and innovative research, and in being a part of this goal the abilities and skills that you have acquired during your time here are foundational to building your careers and to changing the world.

It has never been more true than in this time of crisis that science and technology are necessary to generate improvements in our everyday life and to help us to answer the great mysteries of the universe, including viruses that change our world in a matter of months.

Think about who and what matters in the world today, and what you want to see more of. In today's uncertain world, we wait eagerly for stories of vaccines and breakthrough drugs. Science has never been so followed. We look at new communications tools, new tracking applications for public health, new mathematical models for predicting the future. As a society, we think science and technology are going to save us and they will. We can and we will make the world a better place, not just for ourselves alone. While we wait for the immediate crisis to settle and the world to evolve its way into a new way of functioning, to all the graduating students of IISER today, I have just three messages, find ways to fail, reach out and make connections and have a contingency plan.

Our society expects us to succeed, recognises success and looks down on failure. Today, you have achieved success, but in the future, do not be afraid of failure. In our personal and professional lives, ambition requires bravery. In order to make a contribution that is large and lasting, you have to be ambitious. All new discoveries and technologies require iteration, learning from what did not work. These valuable insights come only after a failure. Accepting and learning from those insights is key to succeeding in every project and in life. Think of the opportunities you'll miss if you let your failures stop you.

I do not how many of you saw 'The Last Dance', but I want to share this quote from Michael Jordan "I have missed more than 9,000 shots in my career. I have lost almost 300 games. On 26 occasions I have been entrusted to take the game winning shot, and I missed. I have failed over and over and over again in my life. And that is why I succeed." Nothing worth having comes easily.

Second, now more than ever, reach out and make connections. In an uncertain world, connections with friends, family and colleagues, make us realise that we are experiencing this together. You will find people who are strong, who act as role models, who inspire and who lead. Follow them. And there are people who struggle, who have difficulty coping, who need support. Be there for them. Mahatma Gandhi said 'The true measure of a society can be found in how it treats its most vulnerable members'

Look at yourselves, your families, your friends, the world of relationships that you have and think about how much they matter and what you can do to strengthen them. This is your safety net, your support system and your insurance for difficult and uncertain times. And just as much as everyone around you is your safety net, you are theirs.

In times like this, thinking through what really matters to us is important, and while the first circle is ourselves, families and friends, outside that are many more spheres of influence that affect us and that we can affect. It has become obvious around the world that no matter how much we separate ourselves, we live in a deeply interconnected world, where it may be possible some of the time for some of us to separate ourselves from other people and their problems, but not forever. Deep-seated inequity and disparity that affects some parts of the world influences how the rest of the world functions, in many ways, not just when there are infectious diseases around.

And then to being prepared for the future and contingency plans. There is no completely safe and foolproof way to live life. To plan ahead, identify what is critical, what the risks and threats are and understand their impact, allows for thinking about ways of mitigation and minimising poor outcomes. If we have thought through what problems we might encounter in the future, we can also think about solutions. We remove fear by creating a path to handling what might be the dangers and risks of failures.

I especially want to reach out to the women in the room, and tell them, value yourselves. Being yourself requires a tremendous amount of inner strength, especially in our society. It is important to constantly recognize and appreciate how much you have achieved and have the confidence that it takes to follow your heart and your dreams! Often following your passion and doing what you feel is right for your life will involve going out on your own and being independent and standing against what you are told to do, but you are strong and all of us together are ultimately going to change society. And to everyone, I paraphrase the words of Melinda Gates :If you want to lift a society up, you need to stop keeping women down.'

Finally, I want all of us together to thank our parents and teachers, all those who support us and build us up and keep us going as we set out to become contributors to society and good people in our personal and professional lives. There is no question that there will be challenges to come, but with the strong base of our education and upbringing, we are well positioned to take on the future. I wish you all that is good in the world. Jai Hind!

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Chief Secretary, Government of Punjab, Chandigarh

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The Secretary, Ministry of Micro, Small & Medium Enterprises, New Delhi

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Professor Sarit Kumar Das, Director, Indian Institute of Technology, Ropar, Punjab

Dr. Madhu Dikshit, National Professor,(Former Director, CSIR-Central Drug Research Institute),
Translation Health Science & Technology Institute, 3rd Milestone, Faridabad, Gurgaon Express Way, Faridabad-121001 (Haryana)

Professor Rama Shanker Dubey**,** Vice Chancellor, Central University of Gujarat, Sector-29, Gandhinagar-382039, Gujarat

Professor J Gowrishankar, Director, IISER Mohali

Professor Kavita Dorai, IISER Mohali

Professor Ramandeep Singh Johal, IISER Mohali

Professor Jagdeep Singh, Registrar, IISER Mohali, *Secretary*

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Professor T. R. Sharma, Executive Director, National Agri-Food Biotechnology Institute, Mohali

Dr. Raghuram Rao Akkinepally, Director, National Institute of Pharmaceutical Education and Research, Mohali

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Administration

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Registrar – Professor Jagdeep Singh

Dean Faculty – Professor J Gowrishankar

Dean Academics – Professor Jasjeet Singh Bagla

Dean Students – Dr. Anu Sabhlok

Dean Research and Development – Dr. Kausik Chattopadhyay

Dean Outreach – Dr. N G Prasad

Associate Dean Academics – Dr. Sugumar Venkataramani

Associate Dean Students – Dr. Abhishek Chaudhuri

Associate Dean Research and Development – Dr. R. Vijay Anand

Librarian – Dr. P. Visakhi

Assistant Registrar – Sh. Sandeep Ahlawat, Sh. Mukesh Kumar

Executive Engineer cum Estate Officer – Sh. P K Srivastava

Assistant Security Officer – Sh. Kamaljeet

IISER MOHALI MILESTONES	
September 27, 2006	Foundation stone laid by the Hon'ble Prime Minister of India, Dr. Manmohan Singh
June 18, 2007	Prof. N. Sathyamurthy took charge as the Director
July 18, 2007	The first meeting of the Board of Governors, Chairperson : Professor P. Rama Rao
August 02, 2007	The first meeting of the Academic Senate Chairperson : Professor N Sathyamurthy
July 25, 2012	**The First Convocation** Chairperson : Dr. R. A. Mashelkar Chief Guest : Sh. Kapil Sibal, Minister HRD Guest of Honour : Prof. C. N. R. Rao, President, JCASR, Bengaluru No. of BS-MS graduates : 26 I recipient of Doctor of Philosophy (Honoris Causa) : Professor C. N. R. Rao
May 25, 2013	**The Second Convocation** Chairperson : Professor K. K. Talwar Chief Guest : Professor P. Rama Rao, Founder Chairperson No. of BS-MS graduates : 30 No. of Ph.D degrees awarded : 03
May 23, 2014	**The Third Convocation** Chairperson : Professor K. K. Talwar Chief Guest : Dr. K. Kasturirangan, Member, Planning Commission No. of BS-MS graduates : 90 No. of Ph.D degrees awarded : 04
May 29, 2015	**The Fourth Convocation** Chairperson : Professor K. K. Talwar Chief Guest : Dr. M. V. S. Valiathan, National Research Professor, Manipal University No. of BS-MS graduates : 76 No. of MS graduates : 02 No. of Ph.D degrees awarded : 08
May 24, 2016	**The Fifth Convocation** Chairperson : Professor N. Sathyamurthy Chief Guest : Professor T. V. Ramakrishnan, IISc Bangalore No. of BS-MS graduates : 82 No. of MS graduates : 09 No. of Ph.D degrees awarded : 25
May 27, 2017	**The Sixth Convocation** Chairperson : Dr. Madhuchanda Kar Chief Guest : Dr. Anil Kakodkar, Chairman, Atomic Energy Commission

	No. of BS graduates : 02 No. of BS-MS graduates : 104 No. of MS graduates : 06 No. of Ph.D degrees awarded : 22
September 18, 2017	Professor Debi Prasad Sarkar took charge as the Director
May 20, 2018	**The Seventh Convocation** Chairperson : Dr. Madhuchanda Kar Chief Guest : Shri Ram Nath Kovind, Hon'ble President of India No. of BS graduates : 03 No. of BS-MS graduates : 109 No. of MS graduates : 10 No. of Ph.D degrees to be awarded : 25
February 27, 2019	Professor Arvind took charge as the Director (officiating)
May 21, 2019	**The Eighth Convocation** Chairperson : Dr. Madhuchanda Kar Chief Guest : Professor Ajay Kumar Sood, Chairman of Indian National Science Academy No. of BS graduates : 01 No. of BS-MS graduates : 159 No. of MS graduates : 14 No. of Ph.D degrees to be awarded : 47
September 4, 2019	Professor Siva Umapathy took charge as the Director (officiating)
December 11, 2019	Professor J Gowrishankar took charge as the Director
August 20, 2020	**The Ninth Convocation** Chairperson : Dr. Renu Swarup Chief Guest : Dr. Gangandeep Kaur Kang No. of BS graduates : 01 No. of BS-MS graduates : 178 No. of MS graduates : 06 No. of Ph.D degrees to be awarded : 55

Graduates of the year 2020

List of Graduates (Ph.D.)

S. No.	Name	Reg. No.	Title
1.	Rituraj Marwaha	MP12002	Role of small GTP-binding protein Arl8b and its RUN domain- containing interaction partners in regulating cargo trafficking to lysosomes
2.	Pankaj Dubey	MP12008	Restricted backbone preference in the conformational landscape of amino acids: Do they have a role to play in the peptide structure?
3.	Manaoj Aravind	MP12011	Utilizing noise to implement logical operations in Bistable Systems
4.	Promit Moitra	MP12012	Dynamics on Spatially Extended Systems
5.	Anita Devi	MP13001	Nonlinear Optical Effects in Laser Trapping of Dielectric and Metallic Particles under Femtosecond Pulsed Excitation: Theory and Experiment
6.	Pooja Munjal	MP13014	Unraveling universal interferometers for ultra-precise probing of matter and realization of a new class of frugal photonic devices
7.	Samridhi Gambhir	MP13015	Experimental Studies on Quantum Diffraction and Phase Space Imaging
8.	Swati	PH10056	Investigating the role of ROS in eliciting mitochondrial retrograde response during Drosophila cardiogenic mesoderm specification events
9.	Satyam Ravi	PH11080	Studies on Structural and Dynamical Aspects of Non-adiabatic Effects in Small Polyatomic Molecules
10.	Swagatam Nayak	PH11097	Unconventional Superconductivity in the Extended Attractive Hubbard Model
11.	Bhupinder Singh	PH12106	Molecular and functional insights into the regulation of D-galactonate metabolism by a GntR family transcriptional regulator, DgoR in Escherichia coli
12.	G.V.R. Krishna Prasad	PH12110	Vibrio cholerae OmpU activates distinct signalling cascades in innate immune cells
13.	Varinder Singh	PH12114	Optimization analysis of classical, mesoscopic and quantum heat engines in finite-time thermodynamics
14.	Devashish Dwivedi	PH12115	Hook2 mediates dynein-dynactin association to regulate mitotic progression and cytokinesis
15.	Rohan Sharma	PH12127	Role of Sorting Nexin 1 (SNX1) in the group I metabotropic glutamate receptor trafficking
16.	Prince Saini	PH12140	Protein-protein interaction network study of shoot stem cell niche derived transcription factors revealed the contrasting role of ELONGATED HYPOCOTYL5 and DEWAX in UV-B stress in Arabidopsis thaliana

17.	Nagesh kadam	PH12142	Study of reversal behaviour and chemotaxis in Caenorhabditis elegans
18.	Aakanksha Gulati	PH12149	Unravelling the host immunomodulation by two gram-negative enteric bacterial ligands
19.	Sandeep Kumar Rana	PH13002	Foregrounds in intensity mapping of redshifted 21 cm radiation
20.	Rajendra Shirke	PH13014	New Approaches Toward the Synthesis of Furotropones, Benzofurans, Triazoles and Axially Chiral Styrenes
21.	Nisha Gupta	PH13017	Cytoskeletal filament and intracellular cargo dynamics facilitated by motor proteins: role of activity and a catch-bonded dynein
22.	Shubhendu Shekhar Khali	PH13018	A Study of Equilibrium and Non-Equilibrium Phase Transition In Two Dimensional Colloidal Suspension
23.	Manpreet Kaur	PH13025	Galectin-3 as a regulator of γ-herpesvirus specific CD8+ T cell immunity and the utility of single domain antibodies
24.	Narendra Bisht	PH13027	Studies on the Synthesis of Functionalized Arenes and Heteroarenes via Directing Group-Assisted C-H Functionalization
25.	Bhishem	PH13030	Role of the bacterial nucleoid associated protein “HU” in cell-cell and cell-DNA interactions through the binding of HU with eDNA and Lipopolysaccharide
26.	Gayathri Sindhuri Singaraju	PH13032	Molecular mechanism of the cell-cell adhesion by atypical cadherin-23
27.	Bankar Siddheshwar Kisan	PH13034	Novel Cascade Approaches for the Synthesis of Carbo- and Heterocycles
28.	K. Kiran Kumar	PH13037	Function and mechanism of the unconventional ubiquitin-like protein Hub1
29.	Arashdeep Singh	PH13038	Principles underlying the organization and function of yeast genome
30.	Bishnupada Satpathi	PH13045	Phosphine-Mediated Cyclopentannulation of Arenes and Heteroarnes
31.	Anup Kumar Srivastava	PH13046	Hybrid Nanostructure Mediated, Epigenetically Controlled neurotherapeutics and Their Biosensing Application in neurodegenerative Diseases
32.	Harpreet Singh	PH13049	Design and Synthesis of Porous Organic Polymers for Sensing and Visible Light Photocatalytic Applications
33.	Anzar Ali	PH14006	A Study of Critical Behavior and Magnetocaloric Effect in Rare Earth Double Perovskites, 3d-Metal Chromites and the Ferromagnetic Weyl Semimetal Co3Sn2S2
34.	Richa Singh	PH14008	Examining the effect of environmental factors on acoustic signalling of a nocturnal ensiferan insect, Acanthogryllus Asiaticus
35.	Shekhar Das	PH14012	Scanning tunnelling microscopy and transport spectroscopy on candidate topological systems
36.	Sudhanshu Shekhar Chaurasia	PH14015	Suppression and Revival of Oscillations and Control of Chaos in Nonlinear Systems
37.	Neha Kwatra	PH14017	Galois Cohomology for Lubin-Tate (φq, Γ LT)-modules
38.	Swathi Krishna	PH14020	Hyperbolicity, Complexes of Groups and

			Cannon-Thurston Maps
39.	Anshu Sirohi	PH14021	Probing Conventional and Unconventional Superconductivity by Ultra-Low-Temperature Scanning Tunneling Spectroscopy
40.	Priyanka Dogra	PH14030	Phase Behavior of An Intrinsically Disordered Domain of A Melanosomal Protein: Conformational Characteristics, Amyloid Formation, And Liquid-Liquid Phase Separation
41.	Ankit Singh	PH14036	Galaxies and their environment
42.	Preetika Sharma	PH14043	Queering the Urban: An Ethnographic study of Kothi subcultures in Chandigarh
43.	Indu Verma	PH14045	Design of Aqueous-Liquid Crystal Interfaces for Biosensing Applications
44.	Shambhu Yadav	PH14051	Studies on altered glutathione metabolism in Zebrafish and the yeast Saccharomyces cerevisiae
45.	Kalane Sagar Balasaheb	PH14071	Classification of pairs of quaternionic hyperbolic isometries
46.	Pinka Dey	PH14072	Group actions on Dold and Milnor manifolds
47.	Rashmi Jain	PH14203	Development of bio-inspired hydrogels for tissue regeneration
48.	Dimple	PH14209	Atomic-scale insights into energy conversion in two-dimensional transition metal dichalcogenide monolayers from ab-initio studies
49.	Naimat Kalim Bari	PH14210	Structural and functional studies of an All-protein prokaryotic Nano Bioreactor
50.	Swati Tanwar	PH14212	DNA origami directed self- assembled hybrid nanoantennas for single molecule spectroscopic applications
51.	Rajinder Kumar	PH14214	Nano-structured Materials Synthesized from Transition Metal Carbides / Nitrides for Electrocatalytic Applications
52.	Nityasagar Jena	PH14216	2D transition-metal dichalcogenide monolayers and their Janus structures for next-generation electronics and energy conversion: an ab-initio study
53.	Km Ruchi Tomar	PH14226	Electronic Properties of Interfaces and Surfaces of Perovskite oxides
54.	Manleen Kaur	PH15024	Catastrophe of the Great Economic Depression of 1929: The Case of India
55.	Prabhjot Kaur	PH15209	Effect of alloying and nanostructuring on thermoelectric properties

List of Graduates (MS)		
S. No.	**Name**	**Reg. No.**
1.	Shubham Mittal	MP16003
2.	Subhankar Pal	MP17006
3.	Jnanajyoti Bhaumik	MP17008
4.	George Shaji	MP17009
5.	Shikha Bhutani	MP17011
6.	Shreya Sharma	MP17013

List of Graduates (BS-MS)

MS 2013 Batch:			
S.No.	**Reg. No.**	**Name**	**Subject**
1	MS13141	Vandana Kumari	Biology

MS 2014 Batch:			
S.No.	**Reg. No.**	**Name**	**Subject**
1.	MS14003	Harsh Pruthi	Mathematics
2.	MS14004	Jai Khatri	Chemistry
3.	MS14009	Kakade Kunal Madhukar	Mathematics
4.	MS14037	Kapil Yadav	Chemistry
5.	MS14039	Santanu Katiyar	Chemistry
6.	MS14055	Manish Kumar Yadav	Chemistry
7.	MS14068	Vandana Verma	Biology
8.	MS14080	Ankuj Kumar	Chemistry
9.	MS14087	Ravi Kumar	Chemistry
10.	MS14091	Ajay Kumar	Chemistry
11.	MS14092	Mohit Kumar	Chemistry
12.	MS14094	Sukhpal	Chemistry
13.	MS14096	Neeraj Meena	Biology
14.	MS14117	Arundhati Dev J R	Biology
15.	MS14126	Renu Meena	Mathematics
16.	MS14140	Prabhat Singh Rana	Chemistry
17.	MS14155	Greeshma P Bose	Biology
18.	MS14165	Goverdhan Gouri Laxmikant	Physics
19.	MS14168	Shubham Gajrani	Biology

MS 2015 Batch:

S.No.	Reg. No.	Name	Subject
1.	MS15001	Gitanjali	Biology
2.	MS15003	Divecha Deesha Hemant	Physics
3.	MS15004	Debanjan Chowdhury	Chemistry
4.	MS15006	Sahil Kamboj	Biology
5.	MS15008	Abhishek Meena	Biology
6.	MS15009	Ankit Kumar	Physics
7.	MS15010	Nihal Muhammed Habeeb	Physics
8.	MS15011	Vishnu K P	Physics
9.	MS15013	Aaditya Narasimhan	Biology
10.	MS15014	Ziyaurrahman M S	Biology
11.	MS15016	Riya Joseph	Biology
12.	MS15017	Parmeet Kaur Dhindsa	Chemistry
13.	MS15018	Anees Rahman P	Chemistry
14.	MS15019	Yateendra Sihag	Physics
15.	MS15020	Misha Gupta	Physics
16.	MS15021	Anjana R Kammath	Chemistry
17.	MS15022	Inayat	Biology
18.	MS15023	Jithin. R	Biology
19.	MS15024	Afham	Physics
20.	MS15025	Jahanvi	Physics
21.	MS15026	Ashitha P P	Chemistry
22.	MS15027	Abhay. P. S	Mathematics
23.	MS15028	Aiswarya A S	Biology
24.	MS15029	Sudha Yadav	Chemistry
25.	MS15030	Rahul Babu	Biology
26.	MS15031	Surendra Yadav	Biology
27.	MS15032	Srishti	Biology
28.	MS15033	Ahina Nandy	Mathematics
29.	MS15036	Adarsh R	Chemistry
30.	MS15039	Ajay Kumar	Biology
31.	MS15040	Nahas K	Chemistry
32.	MS15041	Parkar Vidit Suryakant	Chemistry

33.	MS15042	Yash Rana	Physics
34.	MS15043	Shreya D Kumar	Biology
35.	MS15044	Joshi Pranav Vijay	Biology
36.	MS15045	Rohit Negi	Biology
37.	MS15048	Preeti	Chemistry
38.	MS15049	Raj Kumar	Chemistry
39.	MS15050	P Prathibha	Biology
40.	MS15051	Vaibhav Pal	Chemistry
41.	MS15052	Amisha Agarwala	Biology
42.	MS15053	Amit Suthar	Physics
43.	MS15054	Nimrat Kaur	Physics
44.	MS15055	Aditya Krishna	Biology
45.	MS15056	Athul R Ramesh	Biology
46.	MS15057	Harikrishnan R	Chemistry
47.	MS15058	Adeeb Mev	Physics
48.	MS15061	Ramandeep Singh	Biology
49.	MS15062	Jaskaran Singh	Biology
50.	MS15063	Saurabh Nandkumar Ramteke	Chemistry
51.	MS15064	Jasmeet Singh	Physics
52.	MS15067	Nevil U Shah	Physics
53.	MS15068	Ravinder Dhayal	Physics
54.	MS15069	Deepu S	Physics
55.	MS15070	Pushpinder Singh	Physics
56.	MS15071	Ramsi Nilopher	Biology
57.	MS15074	Mannathu Gopikrishnan	Physics
58.	MS15075	Dhruv Mittal	Physics
59.	MS15076	Lincoln	Chemistry
60.	MS15078	Ankur	Physics
61.	MS15080	Vivek Ashok Jadhav	Physics
62.	MS15081	Asif Mohammed L	Physics
63.	MS15082	Himanshu	Chemistry
64.	MS15083	Satyam Prakash	Physics
65.	MS15084	Shweta Mishra	Biology
66.	MS15086	Rutik Manikandhan	Physics

67.	MS15087	Megha	Chemistry
68.	MS15088	Sandra Sajan	Physics
69.	MS15089	Nitheesh S Pillai	Physics
70.	MS15090	Amit Kumar	Biology
71.	MS15091	Mohit Barsain	Biology
72.	MS15092	Anargha Sai. K. K	Biology
73.	MS15094	Ishan Sarkar	Chemistry
74.	MS15095	Saurabh Bedi	Physics
75.	MS15096	Piyush Sakrikar	Physics
76.	MS15098	Ananya Ashim	Biology
77.	MS15099	Jude Ann Vishnu	Physics
78.	MS15100	R. Lakshmi	Mathematics
79.	MS15101	Abhimanyu Bhardwaj	Biology
80.	MS15102	Gokhul N	Mathematics
81.	MS15103	Vidur Sury	Mathematics
82.	MS15104	R. Ranjani	Physics
83.	MS15105	Khushmeet Kaur Dhaliwal	Physics
84.	MS15106	Sahil Kaushal	Chemistry
85.	MS15107	Bhavya	Biology
86.	MS15108	Deokate Nilesh Vilasrao	Biology
87.	MS15109	Sreelekshmi S R	Biology
88.	MS15111	Nikhil Tanwar	Physics
89.	MS15112	Dharm Singh Yadav	Chemistry
90.	MS15114	Prashant Kumar	Mathematics
91.	MS15115	Bhargesh Patel	Biology
92.	MS15116	Himanshu Dev	Physics
93.	MS15117	Athul Vijay V C	Chemistry
94.	MS15119	Himanshu Yadav	Mathematics
95.	MS15120	Raunak Dhar	Biology
96.	MS15124	Jigisha	Biology
97.	MS15125	Hayman Gosain	Physics
98.	MS15126	Lipika Pradeepkumar Taneja	Biology
99.	MS15127	Yogesh	Mathematics
100.	MS15129	Manujith K Michel	Mathematics
101.	MS15131	Arghadip Koner	Chemistry

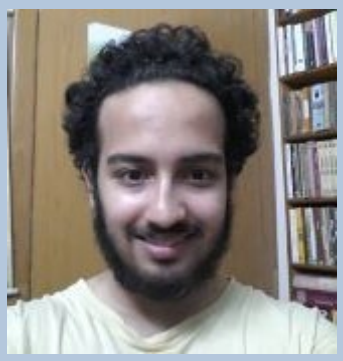
102.	MS15133	Apoorv Gaurav	Physics
103.	MS15135	Sourabh Kumar Soni	Physics
104.	MS15139	Sayyed Imran Rashid	Biology
105.	MS15143	Sunandini Ramnarayanan	Biology
106.	MS15144	Ashish Varghese George	Mathematics
107.	MS15145	Farzana N	Biology
108.	MS15146	Ankita	Physics
109.	MS15147	Krishna Kanth T.G	Physics
110.	MS15148	Deepak Potyan Negi	Biology
111.	MS15149	Pankhuri Singhal	Biology
112.	MS15152	Kabeer Manali Rahul	Mathematics
113.	MS15154	Sapna Kumari Meena	Biology
114.	MS15155	Sohit Chobhiyal	Biology
115.	MS15156	Sveekruth Sheshagiri Pai	Biology
116.	MS15157	Prashant	Chemistry
117.	MS15158	Ajit Kumar Sahoo	Biology
118.	MS15159	Fidha Nazreen K M	Physics
119.	MS15161	Aakanksha Meena	Chemistry
120.	MS15162	Akshay P	Biology
121.	MS15163	Shubham Ramle	Chemistry
122.	MS15164	Sheetal Rani	Chemistry
123.	MS15165	Sidharth Sh	Chemistry
124.	MS15166	Bharadwaj Varma P K	Physics
125.	MS15167	Lopamudra Das	Chemistry
126.	MS15168	Sreelekshmi S A	Biology
127.	MS15169	Nilangshu Bhattacharyya	Mathematics
128.	MS15170	Karthik T	Biology
129.	MS15171	Sumith K K	Physics
130.	MS15173	Rajesh Kumar Bajiya	Mathematics
131.	MS15174	Asish Kumar Swain	Biology
132.	MS15175	Paresh Nath Das	Biology
133.	MS15176	Meghna Thakur	Biology
134.	MS15177	Gaurav Singh	Physics
135.	MS15178	Tinku	Physics
136.	MS15179	Harpreet Kaur	Chemistry

137.	MS15180	Himanshu Aggarwal	Biology
138.	MS15181	Tisya Banerjee	Biology
139.	MS15184	Simran Panda	Biology
140.	MS15185	Akshay Menon P	Physics
141.	MS15186	Dhanvin M Koundinya	Chemistry
142.	MS15187	Nikhil S Sivakumar	Physics
143.	MS15188	Sujata	Biology
144.	MS15190	Manu. M	Mathematics
145.	MS15192	Balashankar R	Biology
146.	MS15193	Sandita Das	Chemistry
147.	MS15195	Abhijith. K. B	Biology
148.	MS15196	Pritam Saha	Biology
149.	MS15197	Kale Milind Sanjay	Chemistry
150.	MS15199	Debjit Ghosh	Physics
151.	MS15200	Anubhav Jindal	Physics
152.	MS15202	Ayush Tyagi	Physics
153.	MS15204	Trirupa Tapas Chakraborty	Biology
154.	MS15205	Chithra P. R	Chemistry
155.	MS15206	Nimisha Krishnan	Physics
156.	MS15208	Shubham Anand	Physics
157.	MS15209	Swastik P G	Biology

List of Graduates (BS)

Sr. No.	Reg. No.	Name
1	MS14075	Sayan Biswas

President’s Gold Medal for the Best Academic Performance



Reg. No.	**Name**
MS15152	KABEER MANALI RAHUL

Professor S N Kaul Prize for the Best overall performance

Reg. No.	Name
MS15042	YASH RANA

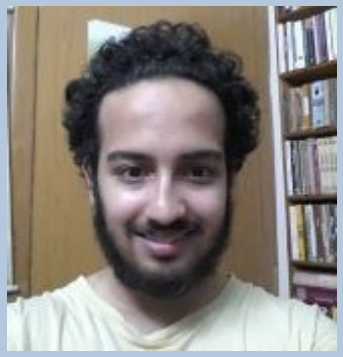
Academic Excellence Prize in Biological Sciences

Reg. No.	Name
MS15181	Tisya Banerjee

Academic Excellence Prize in Chemical Sciences

Reg. No.	Name
MS15021	Anjana. R. Kammath

Academic Excellence Prize in Mathematical Sciences

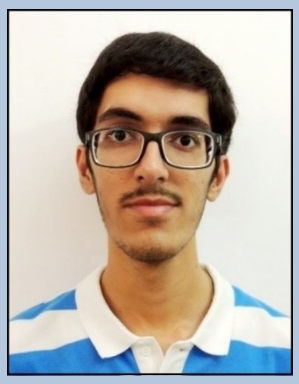


Reg. No.	Name

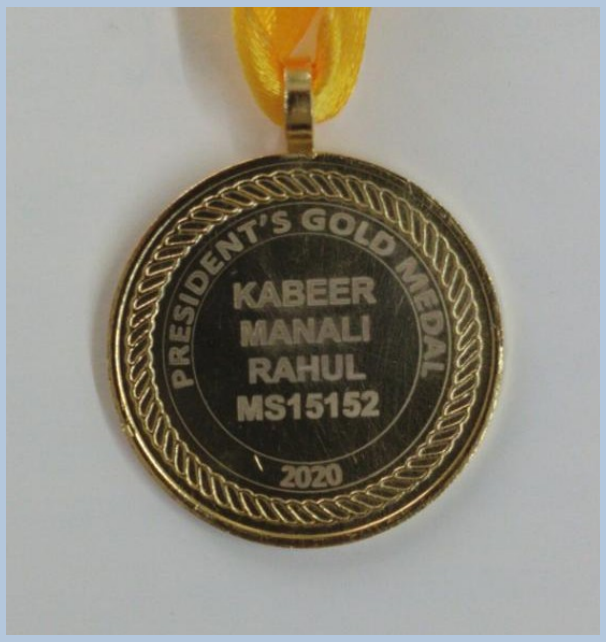
MS15152	Kabeer Manali Rahul

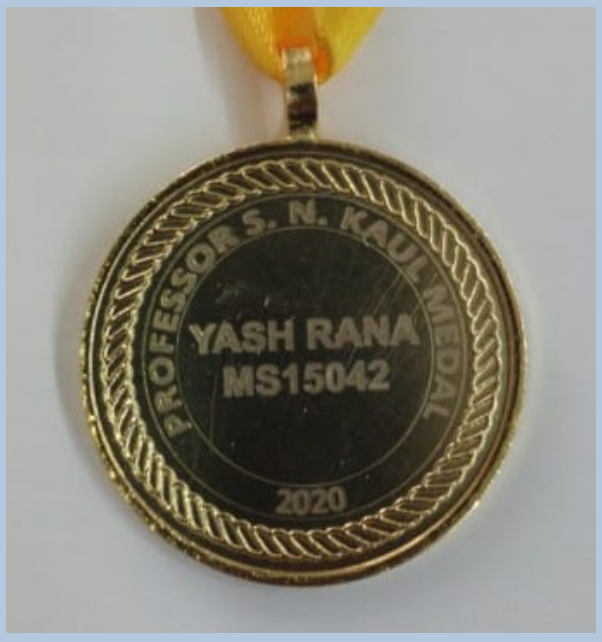
Academic Excellence Prize in Physical Sciences

Reg. No.	Name
MS15042	Yash Rana



Reg. No.	Name
MS15125	Hayman Gosain


PRESIDENT'S GOLD MEDAL
KABEER
MANALI
RAHUL
MS15152
2020


PROFESSOR S. N. KAUL MEDAL
YASH RANA
MS15042
2020