

षष्ठम दीक्षांत समारोह  
*Sixth Convocation*  
Wednesday, May 16, 2018

विवरणिका  
Brochure

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भोपाल  
Indian Institute of Science Education and Research Bhopal



## The Institute Mace



In Academia, the Mace is a treasured object of the “Symbol and Authority of Office”.

The Mace adds dignity, meaning, and a sense of ceremonial authority to the convocation proceedings. It reminds both participants and spectators that education is a cherished attribute of the society and symbolizes the values that the Institute upholds.

IISER Bhopal’s mace is made of brass and teak wood and displays the Institute’s logo in brass with deep brown and gold relief. Above and beneath the logo, the words ‘ज्ञानम् बलमस्ति’ and ‘Knowledge is Power’, respectively, are engraved. There is also a brass olive-wreath encircling the Institute logo proclaiming the fact that IISER Bhopal educates students with an aim of safeguarding and promoting peace.

## Message

It is my privilege to welcome you all to the Sixth Convocation of IISER Bhopal. Shri Jamskyd Naoroji Godrej, Chairman, Board of Godrej & Boyce Manufacturing Company Ltd. is with us today to bless our graduands.



You all are aware that IISER Bhopal is completing 10 years of its journey since its inception in the year 2008. In the current academic year, we have a combined strength of about 1351 students in BS-MS (Dual Degree), Integrated Ph.D. and Ph.D. programmes pursuing their studies in various branches of science. We are proud to make special mention that more than 30% of the student population is female.

So far, a total of 402 students have graduated from IISER Bhopal and all of them have been well placed in different corners of the world, bringing glories to the Institute. It is the result of the hard work put together by the students and our team of faculty members. Our Institute is continuously rising in various parameters of science and research, duly making a mark in the international platform.

This year 130 BS-MS (Dual Degree), 1 BS Degree, 21 MS Degree and 40 Ph.D. degree are being awarded by the Institute. An alumnus of any Institute plays an important role in establishing its identity. After graduation, you all will proceed further for advanced studies or will pursue professional career. I truly believe that the training you have received here has made you strong enough to achieve your aims and objectives in life.

I extend my best wishes to you all for a bright future ahead.

Vinod K Singh  
Director, IISER Bhopal



## The Board of Governors

### Chairperson

Shri Vipin Sondhi

### Members

Professor Vinod K Singh

Shri R. Subrahmanyam, IAS

Professor Anurag Kumar

Professor Pradeep Mathur

Dr. A R Sihag, IAS

Dr. Sekhar Basu

Shri Basant Pratap Singh, IAS

Professor Manindra Agrawal

Professor Sandeep Verma

Ms. Darshana M Dabral

Dr. Alok Mittal

Dr. Vinod Kochupillai

Shri K V Satya Murty

Registrar and Secretary

## Functionaries

Professor Vinod K Singh

Director

Professor Saptarshi Mukherjee

Deputy Director

Dr. Nikita Agarwal

Dean, Faculty Affairs

Dr. Snigdha Thakur

Dean, Academic Affairs

Dr. J Sankar

Dean, Research & Development

Dr. Deepak Chopra

Dean, Student Affairs

Dr. Vineet Sharma

Dean, Alumni and International Relations

Shri K V Satya Murty

Registrar



# The Senate

## Chairperson

Professor Vinod K Singh

## Members

Professor Sandeep Verma

Professor V Chandrasekhar

Professor S K Satheesh

Professor Lilavati Krishnan

Professor Manindra Agrawal

Professor Subhash Chaturvedi

Professor Kankan Bhattacharya

Professor S R Choudhury

Professor S K Tandon

Professor M Ram Murty

Professor Praveen Kulshreshtha

Professor Saptarshi Mukherjee

Professor Raghuvir Singh Tomar

Professor Sangit Kumar

Professor Alakesh Bisai

Dr. Sheuli Mitra

Dr. Snigdha Thakur

Dr. Nikita Agarwal

Dr. J Sankar

Dr. Deepak Chopra

Dr. Vineet Sharma

Dr. Sunando Datta

Dr. Sankar Chakma

Dr. Aasheesh Srivastava

Dr. Kushal Kumar Shah

Dr. Ramya Sunder Raman

Dr. Antara Chatterjee

Dr. Saurabh Shrivastava

Dr. D S Rana

Dr. Sandip Kumar Agarwal

Dr. Arpit Sharma

Dr. Ambar Jain

Dr. S K Pathak

Dr. Vikas Jain

Dr. Amit Paul

Dr. Pritam Nasipuri

Dr. Aditya Sankar Medury

Dr. Prahlad Vaidyanathan

Dr. Ravi Prakash Singh

Dr. Vinita Gowda

Students' Representatives:

Ms. Divyareshmi T R

Ms. Arusha C

Shri K V Satya Murty

Registrar & Secretary



# Programme

- ✚ Academic Procession Starts  
*(As soon as the procession enters, all audience should stand up)*
- ✚ Invocation
- ✚ Chairperson, BoG Declares the Convocation Open
- ✚ Award of Degrees by the Chairperson, Senate
- ✚ Chairperson, BoG Signs the Register for Record of Degrees
- ✚ Exhortation by the Chairperson, Senate
- ✚ Presentation of Medals by the Chairperson, BoG
- ✚ Valedictory Address by the President's Gold Medal Winner
- ✚ Presentation of the Report of the Institute by the Director
- ✚ Introduction of the Chief Guest by the Chairperson, BoG
- ✚ Convocation Address by the Chief Guest
- ✚ The National Anthem *(All will rise)*
- ✚ Chairperson, BoG Declares the Convocation Closed
- ✚ Academic Procession Leaves



# Graduating Batch 2018

## Doctor of Philosophy

### Biological Sciences

**Himanshu Joshi**

Thesis Supervisor: **Dr. Vikas Jain**

Thesis Title: Molecular Insights into the Function of Lysozyme Domain of Mycobacteriophage D29 Peptidoglycan Hydrolase

**Deepti Chaturvedi**

Thesis Supervisor: **Dr. R Mahalakshmi**

Thesis Title: Biophysical Determinants of Transmembrane  $\beta$ -Barrel Folding and Stability

**Puja Kumari**

Thesis Supervisor: **Dr. Himanshu Kumar**

Thesis Title: Essential Role of HCMV in Oncogenesis Through Evasion of Host Innate Immunity

**Bhagaban Mallik**

Thesis Supervisor: **Dr. Vimlesh Kumar**

Thesis Title: Regulation of Synaptic Morphogenesis and Function by Membrane Deforming Proteins at the Drosophila Neuromuscular Junction

**Rupali Yadav**

Thesis Supervisor: **Dr. Sunando Datta**

Thesis Title: Structural and Thermodynamic Studies on Metal Binding Proteins from Entamoeba Histolytica

**Ashok Kumar Sharma**

Thesis Supervisor: **Dr. Vineet K Sharma**

Thesis Title: Development of Computational Models and Algorithms for Designing of Novel Microbiome-based Therapeutics

**Smriti Singh**

Thesis Supervisor: **Dr. Sanjeev Shukla**

Thesis Title: Study of DNA Methylation-mediated Regulation of PKM Splicing in Breast Cancer

### Chemistry

**Adiki Raja Sekhar**

Thesis Supervisor: **Dr. J Sankar**

Thesis Title: Towards Multi-BODIPY Macrocycles: Syntheses and Applications

**Dhananjay Dey**

Thesis Supervisor: **Dr. Deepak Chopra**

Thesis Title: A Quantitative Investigation of Intermolecular Interactions in the Solid State in Multi-functional Organic Compounds



# Graduating Batch 2018

## Doctor of Philosophy

### Chemistry

**Prabhusrinivas Yavvari**

Thesis Supervisor: **Dr. Aasheesh Srivastava**

Thesis Title: Modulating Anti-microbial and Drug Delivery Potential of Polymers with Amine Pendants

**Qysar Maqbool**

Thesis Supervisor: **Dr. Aasheesh Srivastava**

Thesis Title: Tween-Mediated Synthesis of Novel Nanoarchitectures of Mesoporous Oxide Materials for Applications in Energy and Medicine

**Biju Basumatary**

Thesis Supervisor: **Dr. J Sankar**

Thesis Title: Peripheral Functionalization,  $\pi$ -Expansion and Innocence of Corroles: Structure, Photophysical and Electrochemical Investigations

**Moumita Mondal**

Thesis Supervisor: **Dr. Joyanta Choudhury**

Thesis Title: Palladium(II)-NHC Complexes for Aromatic C-H Functionalization Catalysis: from Homogeneous to Heterogeneous Regime

**Ranjeesh T K**

Thesis Supervisor: **Dr. Joyanta Choudhury**

Thesis Title: Developing a Unique Reactivity of N-Heterocyclic Carbene (NHC)-Metal Template in C-H Activation-Annulation Catalysis: Synthetic and Mechanistic Studies

**Arnab Biswas**

Thesis Supervisor: **Professor Vinod K Singh**

Thesis Title: Asymmetric Construction of Oxygen Containing Heterocyclic Moieties and Alkylation of Nitrogen Heterocycles

**Narayani Ghosh**

Thesis Supervisor: **Professor Saptarshi Mukherjee**

Thesis Title: Exploring Protein-Drug and Protein-Surfactant Interactions by Spectroscopic and Calorimetric Approaches

**Nirmal Kumar Das**

Thesis Supervisor: **Professor Saptarshi Mukherjee**

Thesis Title: Spectroscopic Investigations of Organized Assemblies Having Biological Significances





# Graduating Batch 2018

## Doctor of Philosophy

### Chemistry

**Sadhan Jana**

Thesis Supervisor: **Professor Sangit Kumar**

Thesis Title: Functionalization of Olefins by Sulfur Based Catalyst/Reagents: Application in Asymmetric-Bromolactonization and Oxy-trifluoromethylation

**Biswajit Parhi**

Thesis Supervisor: **Dr. Prasanta Ghorai**

Thesis Title: Enantio-selective Synthesis of Isochromenes, Lactones, and Dihydroisoquinolines using Quinine Derived Squaramide Catalyst

**Chander Pratap Singh**

Thesis Supervisor: **Dr. Amit Paul**

Thesis Title: Carbon Based Materials for Energy Storage Applications: Improving the Science of Energy Storage

**Falguni Chandra**

Thesis Supervisor: **Dr. Apurba Lal Koner**

Thesis Title: Modulating Acid-Base and Photophysical Properties of Drugs Using cucurbit[7]uril

**Kaushik Pal**

Thesis Supervisor: **Dr. Apurba Lal Koner**

Thesis Title: Single and Two-photon Active Fluorescent and Fluorogenic Probe for Formulation, Cancer Detection, Bioconjugation, Measuring Polarity Inside Cellular Organelle and Removal of Stress

**Lad Bapurao Sudam**

Thesis Supervisor: **Dr. Sreenivas Katukojvala**

Thesis Title: Divergent Reactivity of Diazoenals in the Construction of N/O- Heterocycles

**Moh Sattar**

Thesis Supervisor: **Professor Sangit Kumar**

Thesis Title: C-H Bond Functionalization of Ferrocene and Oxindoles: Synthesis of Organochalcogenides and Benzofuro- and Indolo-indoles

**Nivesh Kumar**

Thesis Supervisor: **Professor Alakesh Bisai**

Thesis Title: Total Syntheses of 3a,3a'-Bis-Pyrrolo[2,3-b]indoline Alkaloids via the Development of Catalytic Deacylative Alkylations (DaA)



# Graduating Batch 2018

## Doctor of Philosophy

### Chemistry

**Ramakanta Mondal**

Thesis Supervisor: **Professor Saptarshi Mukherjee**

Thesis Title: Role of Surfactants in Drug Delivery and Protein Unfolding/Refolding Dynamics: A Spectroscopy and Calorimetric Approach

**Reddy Rajasekhar Reddy**

Thesis Supervisor: **Dr. Prasanta Ghorai**

Thesis Title: Enantio- and Diastereoselective Synthesis of Substituted Oxa-spirocycles by Utilizing Hydrogen Bond Donor Based Bifunctional Organocatalysts

**Riki Das**

Thesis Supervisor: **Dr. Manmohan Kapur**

Thesis Title: Weakly-Coordinating Directing Groups in Transition Metal Catalyzed C-H Functionalization

**Saikat Chaudhuri**

Thesis Supervisor: **Professor Alakesh Bisai**

Thesis Title: Total Syntheses of Naturally Occurring Clavine Alkaloids

**Sanjay Maity**

Thesis Supervisor: **Dr. Prasanta Ghorai**

Thesis Title: Organocatalytic, Enantio- and Diastereoselective Synthesis of Oxa-and Carbocycles

**Shrivats Semwal**

Thesis Supervisor: **Dr. Joyanta Choudhury**

Thesis Title: Stereo-electronically Tuneable and Stimuli-Switchable Organometallic Complexes for Transfer Hydrogenation, Hydrogenation and Dehydrogenation Catalysis: Toward Reversible Energy-Storage and Delivery

**Sujoy Bandyopadhyay**

Thesis Supervisor: **Dr. Abhijit Patra**

Thesis Title: Conjugated Porous Organic Polymers: Fluorescence-based Sensing, Photocatalysis and Energy Storage

**Suman Mallick**

Thesis Supervisor: **Dr. Apurba Lal Koner**

Thesis Title: Exploring Photophysics of Solvatochromic 2,3-Naphthalimide Dyes with Potential in Fluorescence Sensing



# Graduating Batch 2018

## Doctor of Philosophy

### Chemistry

**Amarchand Parida**

Thesis Supervisor: **Professor Alakesh Bisai**

Thesis Title: Total Syntheses of Icetaxane Diterpenoids via Benzoheptannulation Strategy

**Amit Kumar Mondal**

Thesis Supervisor: **Dr. Sanjit Konar**

Thesis Title: Investigation of Magnetic Anisotropy and Slow Magnetic Relaxation in Cobalt(II) Based Single-Ion Magnets

### Physics

**Patel Avani Vikrambhai**

Thesis Supervisor: **Dr. Sukanta Panda**

Thesis Title: Late Time Cosmology of  $f(R)$  Theory of Modified Gravity

**Paresh Chandra Rout**

Thesis Supervisor: **Dr. Ravi Shankar Singh**  
**Dr. Varadharajan Srinivasan**

Thesis Title: Engineering Multiferroic Properties in Double Perovskite Oxides and Metal-Organic Frameworks: A First-Principles Approach

**Debarati Sarkar**

Thesis Supervisor: **Dr. Snigdha Thakur**

Thesis Title: The Dynamics of Chemo-mechanically Active Polymer: Loop Formation, Self-propulsion and Spontaneous Oscillation

**Eswaraphanindra V**

Thesis Supervisor: **Dr. Dhanvir Singh Rana**

Thesis Title: Terahertz Charge Dynamics in the Proximity of Quantum Critical Point in the Phase Diagram of Rare Earth Nickelates

**Deepak Singh**

Thesis Supervisor: **Dr. Ravi Prakash Singh**

Thesis Title: Unconventional Superconducting Properties of Noncentrosymmetric Superconductors

A total of 40 Degrees of Doctor of Philosophy will be awarded. 7 graduands are from Biological Sciences, 28 from Chemistry, and 5 from Physics.



# **Graduating Batch 2018**

## **Dual Degree of Bachelor of Science and Master of Science**

### **Biological Sciences**

Narender Singh	Micah Elizabeth Titus
Ankit Shankar Pacha	Nishtha Verma
Ankur Kumar Singh	Nissi Mary Varghese
Anu Rajeev	Nistharsha D R
Aravind Pruthvi Puram	Parikshit Thoudam
Arun Joseph	Richika
Athira S Raj	Rohit Kumar
Azad G	Rounak Chaurasia
Mahajan Bhagyashri Deepak	Sajina A C
Bhavya Revathy V S	Sakshi Gupta
Dion Babu	Shilpa Gopan
Nimbalkar Gayatri Sudhir	Shinde Jui Anil
Hanuman Singh Dagur	Shinde Omkar Ramchandra
Jyothikamala R	Shreya Gupta
Katke Reena Harishchandra	Shrotri Saket Sandeep
Keshav Hibare	Subham Biswas
Mahajan Vibhuti Prakash	Wele Prachi Ramchandra
Mamatharani D V	

### **Chemistry**

Archita Chatterjee	Aravind V
Akshaj Prem	Ardhra S
Alaka P	Aruna Chandran
Alvin Varghese	Aswathy K S



# Graduating Batch 2018

## Dual Degree of Bachelor of Science and Master of Science

### Chemistry

Athulbabu T	Parul Thakur
Atreyee Mishra	Pranab Gain
Blesson Sunny	Riya Modi
Cavya Jose	Saeed Shareef
Darpan Agarwal	Sakhitha K C
Devi Prasad A S	Sarvesh Singh
Dinesh Arya	Shafna Ramsana S
Dona Mariya Vincent	Divyesh Rajendra Shah
Hegde Neha Jagadeesh	Shiv Pratap
Irin Cherian	Shraddha Ratan Gedam
Krishna Patidar	Shradha Behera
Kuldeep Singh	Sidharth T S
Lalkrishnan P H	Silpa P S
Lokesh Choudhary	Sonia M
Manvendra Singh	Sreya C A
Megha Manoharan	Subin P Suresh
Neha Maida	Unnikrishnan P
Nesta Benno Joseph	Unnikrishnan V B
Nihara R Sajeev	Vadapalli Sri Satya
Nikhil Raj Kariyandy	Vinod Kumar Kannaujiya
Nilotpal Kapuria	Vishal Meena
Pankaj Kumar	Vishnu Narayana Prasad K V
Partha Mondal	Yadu S



# Graduating Batch 2018

## Dual Degree of Bachelor of Science and Master of Science

### Mathematics

Ashwin K  
Ashok Kumar  
Date Akshay Ravindra  
Georgy C Luke  
M V Ajay Kumar Nair  
Maya Verma

Mayank Mishra  
Mohammed Rameez Qureshi  
Ritwik Upadhyay  
Saoji Shravan Bhushan  
Sreekanth D

### Physics

Sruthibhai P V  
Aiswarya K G  
Amala P K  
Ananya Samanta  
Anjali Rathore  
Anjitha Jose  
Ankit Pathak  
Anshuman Tripathi  
Anubhav Kumar  
Asif Ali  
Aswin Madhu  
Christin Puthur  
Devesh Negi  
Harsh Kumar  
Harsh Sahu

Kadam Sangram Janardan  
Kharat Amruta Shivaji  
Maneesha Varghese  
Mohammad Irfan  
Navin Sridhar  
Prashant Pandey  
Pravir Kumar  
Rajat Dalak  
Rohit Prasad Bhatt  
S Dhivya  
Sarthak Choudhury  
Survase Shravani Sadashiv  
Siddharth Sharma  
Srikant Ganguly  
Sudarshan Sharma

A total of 130 Dual Degree of Bachelor of Science and Master of Science will be awarded. 35 graduands are from Biological Sciences, 54 from Chemistry, 11 from Mathematics, and 30 from Physics.



# Graduating Batch 2018

## Master of Science

### Chemistry

Abhishek Kumar

Dibyajyoti Pathak

Gulshan Rani

Kanika Aggarwal

Pirudhan Karak

Prasenjit Gayen

Preeti Bhatt

Subhash

Vivek Singh

### Mathematics

Arnab Dey Sarkar

Navin Ji Mishra

Prashant Tiwari

Riju Basak

Shubham Trivedi

Swapnil Tripathi

### Physics

Albin Joseph

Arun

Keerthi Radhakrishnan

Monu

Neetu

Utkarsh Kumar

A total of 21 Master of Science Degrees will be awarded to students of Integrated Ph.D. programme. 9 graduands are from Chemistry, 6 from Mathematics and 6 from Physics.

## Bachelor of Science

### Mathematics

Rohitash Yadav

1 Bachelor of Science Degree in Mathematics will be awarded to student of BS-MS (Dual Degree) programme.





## दीक्षान्तोपदेशः

संस्मरन्तु भवन्तः भवदीयमिदं ज्ञानविज्ञानं राष्ट्रस्य पवित्रतमो निधिः।  
तस्मादस्योपयोगः स्वदेशस्य स्वशिक्षणसंस्थानस्य च गौरवानुरूपं सम्यग्  
विधातव्यः। कस्यामपि दशायां भवद्भिः स्वकीयव्यवसायस्य मर्यादा  
चरित्रस्य महत्ता च सयत्नम् संरक्षणीये। मनसा, वाचा, कर्मणा च सर्वथा  
लोककल्याणाय प्रयत्नीयम्। अनुशासनप्रियैः सदा भाव्यम्। स्मर्यताञ्च  
श्रुतेर्वचनम्

“यान्यनवद्यानि कर्माणि तानि सेवितव्यानि नो इतराणि।”







## Exhortation

*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 universe. You must live a well-disciplined life. Never forget the commandment of the sacred scriptures:*

*“Thou shall perform deeds that are commendable and no others.”*



## 2018 Gold Medal Recipients



### President's Gold Medal

Awarded for the **Best Academic Performance**  
amongst all disciplines of the BS-MS (Dual Degree)

**Rohit Prasad Bhatt**, Department of Physics

Rohit Prasad Bhatt joined IISERB in 2013 after securing an All India Rank of 16 in KVPY examination. At IISERB he has secured a SPI of 10 on 10 in 9 out of 10 semesters and is graduating with an overall CPI of 9.96 out of 10. During both semesters of his first year, he was awarded the CNR Rao Education foundation prize given to first year student(s) with highest CPI in each semester. He was awarded the Visiting Students Research Fellowship for working in the field of Quantum Gases by Raman Research Institute, Bangalore for three consecutive years. His innate proclivity for teaching was acknowledged by IISERB by nominating him as one of the student representative to the University of Southampton, for seeking collaborative opportunities by designing a distance learning course under the Knowledge Exchange Programme of the British Council. He is moving to the University of Heidelberg, Germany for pursuing his PhD in the field of Quantum Gases.



### Director's Gold Medal

Awarded for **Outstanding All-Round Achievement and Leadership**  
amongst all disciplines of the BS-MS (Dual Degree)

**Shreya Gupta**, Department of Biological Sciences

Shreya joined IISER Bhopal as an INSPIRE fellow in 2013. She was among the 20 undergraduates from India who got selected to attend the 8<sup>th</sup> Asian Science Camp 2014 at NTU, Singapore. In the consecutive years, due to her strong academic and co-curricular achievements, she got to represent our country in the International Youth Exchange Programme to China 2016 as a research student by the Ministry of Youth Affairs & Sports, Govt. of India. She secured international opportunities like DAAD (WISE) Scholarship 2017 and scholarship to participate in the Indo-French thematic school- ASIAME2 at A&N Islands. She served the institute as the Vice-President of the Student Activity Council 2017 and was a part of the advisory committees of institute's science and cultural fests during her tenure. She being a national-level Kathak Dancer was indispensable in the cultural events of IISER Bhopal. Shreya relishes sports and brought laurels to the Institute by bagging 6 Gold and 2 silver medals in long-distance running, Kho-kho and Badminton at various Inter IISER Sports Meets. She was also awarded the Sportsperson of the year trophy in 2015. She is graduating with an overall CPI of 9.47.



# 2018 Proficiency Medal Recipients

Awarded for the **Best Academic Performance** in each discipline of BS-MS (Dual Degree)



## Proficiency Medal in Biological Sciences

**Shreya Gupta**

Shreya joined IISER Bhopal as an INSPIRE fellow in 2013 with an inclination to pursue Biological Sciences. Her interest only seemed to increase with the courses paving the way for her to obtain the highest CPI of 9.47 in her department. She secured the highest possible Semester Performance Index (SPI) of 10 in 3 semesters and is a recipient of scholarships to various international research schools and programmes. Her initial efforts in research on Indian free-ranging dogs at IISER Kolkata have yielded in two international peer reviewed journal publications to her credit. She wishes to pursue comprehensive human biology studies in Germany.



## Proficiency Medal in Chemistry

**Lalkrishnan P H**

Lalkrishnan joined IISER Bhopal as an INSPIRE fellow in 2013. He was awarded the Science Academies' Summer Research Fellowship to pursue a project in Synthetic Organic Chemistry at University of Hyderabad. As part of his MS thesis, he chose to work on a project where both Organic Chemistry and Bioconjugate Chemistry were involved. He would like to work at the interface of Chemistry and Biology during his doctoral studies. He has qualified in CSIR-NET-JRF and GATE (Chemistry) with an All-India Rank of 117. Now, he is graduating with a Cumulative Performance Index (CPI) of 9.60 on a 10.00 point scale.



## Proficiency Medal in Mathematics

**Ritwik Upadhyay**

Ritwik joined IISER Bhopal as an INSPIRE Fellow in 2013. He has secured a Cumulative Performance Index (CPI) of 8.37 on a 10 point scale. He has worked in various areas in Mathematics during his summer internships and MS thesis work, which includes differential equation and Number theory. The later was his prime focus area, where he studied Prime Number theorem and Dirichlet theorem on primes in arithmetic progression. He has also been an active member of IISER Bhopal and has represented his batch in the Representative Council of 2017.



## Proficiency Medal in Physics

**Rohit Prasad Bhatt**

Rohit Prasad Bhatt has secured a SPI of 10 on 10 in 9 out of 10 semesters and is graduating with an overall CPI of 9.96-out of 10. During both semesters of his first year, he was awarded the CNR Rao Education foundation prize given to first year student(s) with highest CPI in each semester. He has strong interest in understanding fundamental Physics with Quantum Gases. He was awarded the Visiting Students Research Fellowship for working in the field of Quantum Gases by Raman Research Institute, Bangalore for three consecutive years. He is moving to the University of Heidelberg, Germany for pursuing his PhD in the field of Quantum Gases.



## Chief Guest

# **Shri Jamshyd Naoroji Godrej** *Chairman, Board of Godrej & Boyce Manufacturing Company Ltd.*



Shri Jamshyd Naoroji Godrej is an Indian industrialist, currently serving as the Managing Director and Chairman of the Board of Godrej & Boyce Manufacturing Company Limited. Godrej & Boyce Mfg. Co. Ltd., a Godrej Group Company, started its journey with the manufacture of high quality locks in 1897. Currently, the company has several diverse business divisions offering consumer, office, and industrial products. Shri Godrej is also the Chairman of the CII Sohrabji Godrej Green Business Centre, which works as a Centre of Excellence for green buildings, energy efficiency, energy conservation, non-conventional energy sources, water policy, water conservation, etc.

Shri Godrej completed his schooling at the prominent Cathedral & John Connon School in Mumbai and holds a Bachelor's Degree in Mechanical Engineering and a Master's Degree in Business Administration from the Illinois Institute of Technology, USA. He joined the Board of Godrej & Boyce Manufacturing Company Limited as a Director in 1974 and elevated as the Managing Director in 1991 and as the Chairman in the year 2000.

He is the President of World Wide Fund for Nature - India. He also serves as the Chairperson of the Board of Directors of Shakti Sustainable Energy Foundation, India Resources Trust and Council on Energy, Environment and Water. He is also a Director of World Resources Institute, USA and Director of Global Footprint Network, USA. He is also a Trustee of the Asia Society, USA. He is a member of Toyota Motor's Global Advisory Board and Asia Pacific Regional Advisory Committee.



He is the Past President of Confederation of Indian Industry and also the Past President of the Indian Machine Tool Manufacturers' Association. Shri Godrej is the former Chairman of Ananta Aspen Centre (previously known as Aspen Institute India) and Chairman & Trustee of Ananta Centre.

In view of his outstanding services to the nation, the Govt. of India honoured him with India's third highest civilian honor, the Padma Bhushan in the year 2003. Shri Godrej is also an yachting enthusiast and has done extensive cruising along the West Coast of India, the Baltic & North Sea, the Atlantic Ocean and in the Mediterranean Sea.



# **Shri Vipin Sondhi**

## ***Chairperson, Board of Governors***



Shri Vipin Sondhi is the Managing Director and Chief Executive Officer of JCB India Limited, a leading manufacturer of earthmoving and construction equipment in India. For over a decade, he has led the company's growth journey and JCB India has since established market leadership in the Industry.

During this time, he also successfully managed the acquisition, retention and development of an excellent team at JCB, which has been instrumental in strengthening the company's operations and its steady expansion.

He has steered the growth of JCB India's business, which includes exports to over 65 countries today. JCB manufactures a wide range of products on the philosophy of one global quality in its five state-of-the-art factories in India. These products are backed by the industry's largest and finest after sales support network.

An alumnus of The Indian Institute of Technology, Delhi and The Indian Institute of Management, Ahmedabad, he has over three decades of experience in Manufacturing and Engineering based companies such as Honda, Tata Steel and Tecumseh (an American company which was the world's largest manufacturer of compressors for refrigerators and air conditioners in its time).

He was appointed as the Chairperson, Board of Governors, of the Indian Institute of Science Education and Research (IISER) Bhopal in December 2015. An elected member of the Confederation of Indian Industry's (CII) National Council and the Chairman of Capital Goods Committee, he has also been the Chairman of Excon, South Asia's largest exhibition for construction equipment from 2006 to 2015.

He was awarded the CII's Young Manager's Trophy in the year 2000, the Udyog Rattan Award by the Institute of Economic Studies in 2011 and The CEO of the Year Award at CEO India Awards in 2014.

An avid golfer, he lives in Delhi with his wife and daughter.



# Previous Convocations

## FIRST CONVOCATION 2013

### Degrees Awarded

#### Dual Degree of Bachelor of Science and Master of Science

Biological Sciences	4
Chemistry	8
Mathematics	3
Physics	3

**Total Degrees Awarded: 18**

### 2013 Medal Recipients

#### President's Gold Medal

**Arshad Akbar**  
Department of Chemistry

#### Director's Gold Medal

**Lala Chiraag Ramesh**  
Department of Mathematics

#### Proficiency Medals

Department of Chemistry  
**Arshad Akbar**

Department of Mathematics  
**Sunkula Mahesh**

Department of Physics  
**Mukund Bapna**

### Chief Guest

**Dr. M. Mangapati Pallam Raju**

Minister of Human Resource Development, Govt. of India

### Guest of Honour and D.Sc. (*Honoris Causa*) Recipient

**Professor C. N. R. Rao**

National Research Professor & Chairman, Scientific Advisory Council to the Prime Minister of India



# Previous Convocations

## SECOND CONVOCATION 2014

### Degrees Awarded

<b>Discipline</b>	<b>Dual Degree of Bachelor of Science and Master of Science</b>	<b>Doctor of Philosophy</b>
Biological Sciences	11	-
Chemistry	19	4
Mathematics	2	-
Physics	12	-
<b>Total:</b>	<b>44</b>	<b>4</b>

### 2014 Medal Recipients

#### President's Gold Medal

**Sai Puneet Desai**  
Department of Chemistry

#### Director's Gold Medal

**Akash Jain**  
Department of Physics

#### Proficiency Medals

Department of Biological Sciences  
**Aseem Shrivastava**

Department of Mathematics  
**Gosavi Saurabh Madan**

Department of Chemistry  
**Sai Puneet Desai**

Department of Physics  
**Akash Jain**

### Chief Guest

**Shri Pranab Mukherjee**  
President of India

### Guest of Honour and D.Sc. (*Honoris Causa*) Recipient

#### Professor Goverdhan Mehta

National Research Professor, University of Hyderabad





## Previous Convocations

### THIRD CONVOCATION 2015

#### Degrees Awarded

Discipline	Dual Degree of Bachelor of Science and Master of Science	Doctor of Philosophy
Biological Sciences	33	2
Chemistry	27	12
Mathematics	3	-
Physics	20	2
<b>Total:</b>	<b>83</b>	<b>16</b>

#### 2015 Medal Recipients

##### President's Gold Medal

**Shubham Kumar Jaiswal**  
Department of Biological Sciences

##### Director's Gold Medal

**Chetana Tamadaddi**  
Department of Biological Sciences

##### Proficiency Medals

Department of Biological Sciences  
**Chetana Tamadaddi**

Department of Mathematics  
**Sweta Pandey**

Department of Chemistry  
**Deena Paul**

Department of Physics  
**Charubala C S**

#### Chief Guest

##### Dr. Anil Kakodkar

Ex. Chairman, Atomic Energy Commission and Ex. Secretary to the Govt. of India,  
Department of Atomic Energy

#### Guest of Honour and D.Sc. (*Honoris Causa*) Recipient

##### Dr. Vijay Kumar Saraswat

Member, NITI Aayog



## Previous Convocations

### FOURTH CONVOCATION 2016

#### Degrees Awarded

Discipline	Dual Degree of Bachelor of Science and Master of Science	Doctor of Philosophy
Biological Sciences	22	9
Chemistry	27	13
Mathematics	4	-
Physics	15	3
<b>Total:</b>	<b>68</b>	<b>25</b>

#### 2016 Medal Recipients

##### President's Gold Medal

**Sachin Shain P**  
Department of Physics

##### Director's Gold Medal

**Amrutha V**  
Department of Biological Sciences

##### Proficiency Medals

Department of Biological Sciences  
**Shah Lekha Vinod**

Department of Mathematics  
**Sanjana Agarwal**

Department of Chemistry  
**Vaishnavi N Nair**

Department of Physics  
**Sachin Shain P**

#### Chief Guest

##### Shri Vipin Sondhi

Managing Director & CEO JCB India Limited & Chairperson, Board of Governors  
IISER Bhopal

#### Guest of Honour and D.Sc. (*Honoris Causa*) Recipient

##### Professor Ajay Kumar Sood

Department of Physics, Indian Institute of Science Bangalore



## Previous Convocations

### FIFTH CONVOCATION 2017

#### Degrees Awarded

Discipline	Bachelor of Science	Dual Degree of Bachelor of Science and Master of Science	Master of Science	Doctor of Philosophy
Biological Sciences	2	37	-	5
Chemistry	1	36	-	19
Mathematics	-	9	4	-
Physics	-	24	6	1
<b>Total:</b>	<b>3</b>	<b>106</b>	<b>10</b>	<b>25</b>

#### 2017 Medal Recipients

##### President's Gold Medal

**Amit Singh**  
Department of Physics

##### Director's Gold Medal

**Brahadeesh Sankarnarayanan**  
Department of Mathematics

##### Proficiency Medals

Department of Biological Sciences  
**Ankita Roy**

Department of Mathematics  
**Haritha C**

Department of Chemistry  
**Ashish James**

Department of Physics  
**Amit Singh**

##### Chief Guest

**Shri Prakash Javadekar**  
Hon'ble Minister of HRD, Govt. of India

##### Guest of Honour and D.Sc. (*Honoris Causa*) Recipient

**Dr. Anil Kakodkar**  
Ex. Chairman, Atomic Energy Commission and Ex. Secretary to the Govt. of India,  
Department of Atomic Energy



## **Convocation 2018 Advisory Committee**

- 1 Dr. Ramya Sunder Raman
- 2 Professor Saptarshi Mukherjee
- 3 Dr. Sunando Datta

## **Convocation 2018 Organizing Committee**

- |    |                          |                  |
|----|--------------------------|------------------|
| 1  | Dr. Snigdha Thakur       | Chairperson      |
| 2  | Dr. Sunando Datta        | Member           |
| 3  | Dr. Nikita Agarwal       | Member           |
| 4  | Dr. J Sankar             | Member           |
| 5  | Dr. Deepak Chopra        | Member           |
| 6  | Dr. S Chakma             | Member           |
| 7  | Dr. Aasheesh Shrivastava | Member           |
| 8  | Dr. Arpit Sharma         | Member           |
| 9  | Dr. Sandip Kumar Agarwal | Member           |
| 10 | Dr. Kushal Shah          | Member           |
| 11 | Dr. Ramya Sunder Raman   | Member           |
| 12 | Dr. Antara Chatterjee    | Member           |
| 13 | Dr. Saurabh Shrivastava  | Member           |
| 14 | Dr. D S Rana             | Member           |
| 15 | Dr. Madhumita Mukherjee  | Member           |
| 16 | Shri K V Satya Murty     | Member           |
| 17 | Shri Madan Pal           | Member           |
| 18 | Shri Gaurav Awasthi      | Member           |
| 19 | Ms. Sherly George        | Member Secretary |



# Convocation 2018 Sub-Committees

## **Convocation Hall Arrangements and Reception**

Dr. Dhanyalekshmi Pillai, Convener  
Dr. Surajit Saha  
Dr. S K Pathak  
Dr. Shubham Singh  
Mr. Ramendra Noatia  
Mr. Harish Shah

## **Academic Procession Committee**

Dr. Ram Kumar Mishra, Convener  
Dr. Arundhuti Ghatak  
Dr. Atreyee Bhattacharya  
Mr. Sankar Chakma  
Mr. Vivek Bakshi

## **Designing/Printing of Invitation Cards, Backdrop, Reports, Brochures, Degrees, Grade Reports, Medals**

Dr. Snigdha Thakur, Convener  
Ms. Sherly George  
Mr. Priyank Bhavsar  
Mr. Jitendra Rajput  
Mr. Brajendra Rajput

## **Food/Refreshments**

Dr. Manmohan Kapur, Convener  
Dr. Ravi Prakash Singh  
Dr. Vishal Rai  
Mr. Gaurav Awasthi  
Mr. Pradeep Jaiswal  
Mr. Jitendra Choudhury

## **Medical Attendance**

Dr. Krishna Jain

## **Photography/Telecast/Webcast/Local Cable TV, Telephone**

Dr. Arpit Sharma, Convener  
Mr. Vinay Bajpai  
Mr. Sushil Singh  
Mr. Pappu Chauhan

## **Public Address System, Invocation and Announcements**

Dr. Ajit Bhand, Convener  
Dr. Kashyap Rajeevsarathy  
Ms. Ruchi Shrivastava  
Ms. Jaya Chauhan  
Ms. Divyareshmi T R

## **Press and Publicity**

Shri K V Satya Murty, Convener  
Mr. Mayank Sharma  
Mr. Praveen David  
Mr. Ashwani Srivastava  
Mr. Ranjeet Kumar Koshta

## **Transport**

Dr. Apurba Lal Koner, Convener  
Mr. Gaurav Kumar Shukla  
Mr. Bechan Prajapati  
Mr. J K Jha  
Mr. Ritesh Mishra

## **Security and Emergency Arrangements**

Dr. Ravi S Singh, Convener  
Mr. Sachin Shandilya  
Mr. V K Ravindran  
Mr. Anup Tiwari



## Milestones

2008-10

- Establishment of the Institute: 2008
- Professor Vinod Singh took charge as the Director: June 12, 2008
- The First meeting of the Board of Governors: July 10, 2008
- The First meeting of the Senate: August 9, 2008
- Commencement of classes in transit campus: August 16, 2008
- Foundation Stone laid by the then Minister of HRD: October 8, 2008
- Construction of permanent campus started: July 29, 2009

2011-13

- First Convocation: May 4, 2013
- Start of BS-MS (Minor) in Earth and Environmental Sciences: August 2011
- Students moved to Hostels in Bhauri Campus: August 2012

2014-15

- Start of Integrated Ph.D. Programme: August 2014
- Start of BS-MS (Major) in Earth and Environmental Sciences: August 2014
- Establishment of Engineering Sciences: May 2014

2016-17

- Re-organization of Engineering Sciences into Chemical Engineering and Electrical Engineering & Computer Science: March 2016
- Start of BS-MS (Minor) in HSS: August 2016
- Fully functional permanent campus and transit campus vacated: July 2016

2017-18

- Establishment of Economic Sciences: August 2017
- Start of BS-MS (Major) in Chemical Engineering and Electrical Engineering & Computer Science: August 2017
- Start of BS in Economic Science: August 2018



*“The mind is not a vessel to be filled, but  
a fire to be kindled.”*

*~ Plutarch*



**भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भोपाल**  
**Indian Institute of Science Education and Research Bhopal**

भोपाल बाईपास रोड, भौरी | Bhopal Bypass Road, Bhauri  
भोपाल - 462 066, मध्य प्रदेश | Bhopal - 462 066, Madhya Pradesh