

ANNUAL REPORT 2015-16



NISER
BHUBANESWAR



Hyderabad. April 2015. Title: On the Method of Science, Darwinian Evolution, and the Central Dogma

Awards/recognition received during the year

- ▶ Dr. Praful Singru was selected as a Member, Executive Council; Society for Evolutionary and Integrative Biology (SEIB), India. 2014-15
- ▶ Dr. Debasmita Alone was elected as a member; Executive Council (2015-2017) of All India Society for Cell Biology, India
- ▶ Dr. Chandan Goswami has been selected as editorial member (2015) for PeerJ.
- ▶ Dr. Kishore C Panigrahi has been selected as editorial member for “Frontiers in Bioscience”

Research Facilities created in the School

- ▶ Animal house transit facility (for Mouse, rat and Zebra Finch)
- ▶ Animal cell culture facility
- ▶ Green house and Phytotron facility for plant development research
- ▶ Fly facility
- ▶ Microbial facility

- ▶ Imaging facility
- ▶ Proteomics and genomics and drug discovery facility
- ▶ Flow cytometry facility
- ▶ Crystalization and X-ray diffraction facility
- ▶ Low-temperature storage facility
- ▶ Computational facility

Any other information which think worthy to be published in Annual Report

- ▶ A NEW PASSAGE TO INDIA, Between Dr. K.C. Panigrahi, SBS NISER and Prof. Klaus Palme of Albert Ludwigs University, Friburg. Funded by DAAD, GERMANY.
- ▶ Mr. Ashutosh Kumar received “Oral Presentation Award” in YUVA ISAR Conference held by Indian Society for Assisted Reproduction from 8th-9th August 2015
- ▶ **Mr. Arijit Ghosh** (MSc student in SBS) received “Second poster award” in “1st International Conference on Translational Research: From Basic Science to Clinical Application”, at KIIT University, Bhubaneswar, India”. 5-7th February, 2015

Placement of graduating students in the Department (Batch - 2010-15)

Sr.	Name	Designation	Current designation and affiliation
1.	Saurabh Ratiram Patil	PhD Scholar	NCBS, Bangalore
2.	Anurag Priyadarshi	PhD Scholar	IIT Guahati
3.	Aditya Prasad Naik	PhD Scholar	European Synchrotron Radiation facility, Grenoble, France
4.	Bharath Merugu Shiva	PhD Scholar	Shanghai-Jio Tong University, Shanghai, China
5.	Ruchishree Konhar	JRF	NEHU, Shilong
6.	Ansuman Sahoo	CSIR NET (LS)	NYU, Buffalo, USA
7	Krushna Chandra Murmu	NET-LS	JRF at ILS, Bhubaneswar
8	Aditya Anand		PhD in ILS Bhubaneswar



राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान, भुवनेश्वर

(परमाणु ऊर्जा विभाग, भारत सरकार का एक स्वायत्त संस्थान)

NATIONAL INSTITUTE OF SCIENCE EDUCATION AND RESEARCH, BHUBANESWAR

(An autonomous Institution under Department of Atomic Energy, Govt. of India)

Dr. Pranay Kumar Swain
FIC/Dean, Academic Affairs

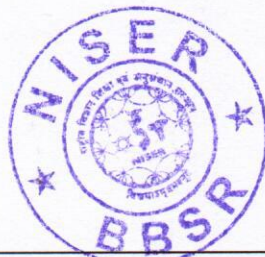
डॉ. प्रणय कुमार स्वाई
एफ.आइ.सी./डीन, अकादमिक अफैर्स

Ref: Awards received by the faculty and students
for NAAC-SSR purpose/2.4.4

28th July, 2020

Awards, recognition, fellowship at State, National, International level from Government, recognised bodies during the last five years

Sl. No.	Name of full time teachers receiving awards from state level, national level, international level	Year of Award	PAN	Designation	Name of the award, fellowship, received from Government or recognised bodies
1	Dr Subhankar Bedanta	2018	AYXPB5688A	Associate Prof.	DAAD Research Fellowship
2	Prof. Bedangadas Mohanty	2017	ALKPM2347M	Professor	Fellow of Indian Academy of Science
3	Dr. Ajay Kumar Nayak	2017	AJXPN9584A	Asst. Professor	Ramanujan Fellowship
4	Prof. Bedangadas Mohanty	2017	ALKPM2347M	Professor	JC Bose National Fellowship
5	Prof. Bedangadas Mohanty	2017	ALKPM2347M	Professor	Fellow of National Academy of Sciences
6	Prof. Bedangadas Mohanty	2017	ALKPM2347M	Professor	Utkalmani Yuva Prativa Samman
7	Dr Chandan Goswami	2017	ASIPG3980H	Reader-F	EMBO Award
8	Prof. Sudhakar Panda	2017	AAMP8202B	Professor	JC Bose National Fellowship
9	Prof. Bedangadas Mohanty	2017	ALKPM2347M	Professor	Editor of International Journal of Modern Physics
10	Dr. Amaresh Jaiswal	2017	BAFPJ7583M	Asst. Professor	DST Inspire Faculty Award
11	Dr Palok Aich	2016	AQDPA5794L	Asso. Prof.	Honorary Diploma from VARNA Medical University Bulgaria
12	Dr C. Gunanathan	2016	AOWPG6938H	Reader-F	ECRP EVONIK Research proposal award
13	Dr Subhankar Bedanta	2016	AYXPB5688A	Reader-F	DAAD Fellowship
14	Prof. Bedangadas Mohanty	2016	ALKPM2347M	Professor	Fellow of Indian National Science Academy
15	Prof. T.K. Chandrashekar	2016	AAPPT6727L	Sr. Professor	SASTRA-CNR Rao Award
16	Dr. Victor Roy	2016	AMPPR8455D	Asst. Professor	DST Inspire Faculty Award
17	Prof J Moharana	2015	NA	Adjunct Prof	SN Bose Medal by INSA
18	Prof. V Krinshnakumar	2015	NA	Visiting Prof.	INSA-Best Teacher Award
19	Dr. Bedangadas Mohanty	2015	ALKPM2347M	Professor	Shanti Swarup Bhatnagar Prize
20	Prof. V. Chandrasekhar	2015	AATPV3611P	Director	SASTRA-CNR Rao Award
21	Dr. Nishikanta Khandai	2015	AXOPK6463A	Reader-F	Ramanujan Fellowship
22	Prof. A. Srinivasan	2014	AGXPA3909M	Professor	CRSI Bronze Medal
23	Prof. Bedangadas Mohanty	2014	ALKPM2347M	Professor	Deputy Spokesperson STAR Experiment at BNL, New York, USA
24	Dr Pranay Kumar Swain	2014	AWKPS8499P	Reader-F	Expert Panellist for financial inclusion, Securities and Exchange Board of India
25	Dr. Subhankar Bedanta	2014	AYXPB5688A	Asso. Professor	Young Scientist Award, Odisha Physical Society



Dean (Academic Affairs)

अधिष्ठाता/Dean

शैक्षणिक भावसे /Academic Affairs

राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भुवनेश्वर

National Institute of Science Education & Research, Bhubaneswar

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NISER, PO-Jatni, Dist- Khordha – 752050, Odisha, India | नाइसर, पो. अ.- जटनी, जिला - खोर्धा, - 752050, ओडिशा, भारत

भारत

दूरभाष/Phone: (0674) 2494012, 4013, 4014, 4005, Fax: (0674) 2494004, ई-मेल/E-mail: dean_aa@niser.ac.in

हमेशा हिन्दी में पत्र व्यवहार कर के देश का गौरव बढ़ाएं।



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28th July, 2020

Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Sl. No.	Name of the teacher awarded international fellowship	Name of the award/fellowship	Year of Award	Awarding Agency
1	Dr Subhankar Bedanta	DAAD Research Fellowship	2018	DAAD
2	Dr Chandan Goswami	EMBO FELLOWSHIP	2017	EMBO
3	Dr Palok Aich	Honorary Diploma	2016	VARNA Medical University Bulgaria
4	Dr Subhankar Bedanta	DAAD Research Fellowship	2016	DAAD
5	Prof. Bedangadas Mohanty	Deputy Spokesperson	2014	STAR Experiment at BNL, New York, USA



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शैक्षणिक मामले /Academic Affairs

राष्ट्रीय विज्ञान शिक्षा एवं अनुसंधान संस्थान भुवनेश्वर
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पोस्ट-जटनी, खोर्धा-752050/P.O.-Jatni, Khurda-752050

NISER, PO-Jatni, Dist- Khordha – 752050, Odisha, India | नाइसर, पो. अ.- जटनी, जिला – खोर्धा, - ७५२ ० ५ ०। ओड़ीशा,
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3.	Aditya Prasad Naik	PhD Scholar	European Synchrotron Radiation facility, Grenoble, France
4.	Bharath Merugu Shiva	PhD Scholar	Shanghai-Jio Tong University, Shanghai, China
5.	Ruchishree Konhar	JRF	NEHU, Shilong
6.	Ansuman Sahoo	CSIR NET (LS)	NYU, Buffalo, USA
7	Krushna Chandra Murmu	NET-LS	JRF at ILS, Bhubaneswar
8	Aditya Anand		PhD in ILS Bhubaneswar



ANNUAL REPORT

& AUDITED STATEMENT OF ACCOUNTS

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Colloquia

1. "Assembly and activation of the divisome in E. coli" by Prof. Joe Lutkenhaus, Kansas Medical Center, USA, December 2nd, 2016.
2. "Scope of health care workers and current status of medical education in India today" by Prof. Dr. Ashok Mahapatra, Former Director, AIIMS Bhubaneswar, November 4, 2016
3. "Regulation of mammalian genome dynamics at the level of Chromosome Territories & Replication Forks" by Prof. B. J Rao, Department of Biological Sciences, TIFR, Mumbai, September 16, 2016
4. "Geometry, Cholesterol and Kala-azar" by Dr. Roop Mallik, Department of Biological Sciences, TIFR, Mumbai, August 19, 2016
5. Nanotechnology Applications in curing blindness" by Prof. Rajiv Mohan, University of Missouri, Coloumbia, USA, June 15, 2016

Awards/recognition received during the year

- Dr. Palok Aich has become Member of DBT TASK Force for Biotechnology Ignition Grant (BIG) of the Department of Biotechnology (DBT)-Biotechnology Industry Research Assistance Council (BIRAC), Government of India (GoI), since June 2016
- Dr. Chandan Goswami served as a jury member of "Monitoring meeting of PAC in Health Sciences, DST-SERB" on 7th-8th Feb, 2017.
- Dr. Chandan Goswami received Travel Award for attending EMBO/EMBL Symposium: Molecular and Cell Biology of Membranes, Heidelberg, Germany
- Best paper award to Mr. **Rakesh Kumar Majhi**. Annual Convention of Society of Veterinary Biochemists & Biochemists & Biotechnologists of India (SVBBI) and the National Symposium on "Use of Advanced Technology of Biochemistry and Biotechnology in Livestock Health, Production and Reproduction" 2016. OUAT, Bhubaneswar.
- "Special Jury presentation award" to Mr. Manoj Yadav. 2nd International Conference on Translational Research: Applications in Human Health and Agriculture. 14-16th Oct 2016, Bhubaneswar,
- "Best Poster award" to Md. Khurshidul Hassan. 10th year celebration of excellence in science at IISER Kolkata "Advances in Life Sciences" during January 13-15, 2017.

Invited lectures by SBS members:

- Invited lecture given by K. V. S. Badireenath on IC-RTCBSMNPDD-2017. Mar 03-05, 2017. Organized by Berhampur University, India
- Invited talk and chairing of a session by Dr. Asima Bhattacharyya at the 3rd International Meet on Advanced Studies in Cell Signaling Network (CeSiN-2016). 18-20 Dec, 2016, IICB, Kolkata. Title: Siah1 enhances invasiveness of Helicobacter pylori-infected gastric cancer cells.
- Invited lecture given by Dr. Asima Bhattacharyya at the Department of Physiology, University of Calcutta, 16 Dec 2016. Title: Oxidative stress.
- Invited lecture by Dr. Rudresh Acharya, Indian National Science Academy, Anniversary General Meeting, 28-30 December, 2016, NISER, Bhubaneshwar
Title: "Four-helix bundles in de novo protein design",





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Symposia:

- IINCM-2017 (Inter IISER & NISER Chemistry Meet) 22.12.2017 to 24.12.2017

Awards and Honours:

Awards/ Recognition achieved by my Ph.D Students:

- **"Dr. P. K. Bhattacharyya Memorial Award"** for the best poster in Photochemistry to Mr. **Debashis Majhi** in **"National Symposium on Radiation and Photochemistry (NSRP-2017)"** at Manipal University, Manipal, India.
- **Best Poster Award** in Photochemistry to Ms. Manjari Chakraborty in **"Trombay Symposium on Radiation and Photochemistry (TSRP-2018)"** at Bhaba Atomic Research Centre, Mumbai, India.

Patent:

- **Prof. T.K.Chandrashekar**
Novel porphyrin derivatives for photodynamic therapy (PDT): a process for the preparation thereof and their use as PDT agents and fluorescence probes for biological applications. 16th March 2018, IN 294263 A1

Publications

1. Rhodium (III) and Iridium (III) bipyricorrole complexes: Syntheses, Structures and Properties. B. Adinarayana, M. Murugavel, Mainak Das, N. R. Palepu and A. Srinivasan. *Inorg. Chem.* 2018, 57, 1840-1845.
2. Meso-Aryl [20]π Homoporphyrin: The simplest Expanded porphyrins with smallest Möbius Topology. K. S. Anju, Mainak Das, B. Adinarayana, C. H. Suresh and A. Srinivasan. *Angew. Chem. Int. Ed.* 2017, 56, 15667-15671.
3. In Vitro and In Vivo Demonstration of Human-Ovarian-Cancer Necrosis through a Water-Soluble Near-Infrared-Absorbing Chlorin: T. K. Chandrashekar *J. Med. Chem.* 2018, 61(11), 5009-5019.
4. [24] π Core-modified Non-fused Pentaphyrin with Möbius Aromaticity. Arindam Ghosh, S. Dash, A. Srinivasan, M. S. R. Sahu, C. H. Suresh and T. K. Chandrashekar, *Chem. Eur. J.* 10.1002/chem.201803552.
5. Insights into the structure and dynamics at the hexadecane droplet-water interface in the presence of 1-alkanols as emulsifiers: Molecular dynamics studies. Sourav Palchowdhury and B. L. Bhargava. *Journal of Molecular Liquids* 234, 249-259 (2017).
6. Solvation of methyl lactate in water: Molecular dynamics studies. Sourav Palchowdhury and B. L. Bhargava. *Journal of Physical Chemistry B* 122, 2113-2120 (2018).
7. NMR Spectroscopic Evidences for Unusually Strong amide-N-HS Hydrogen Bonds in Biomolecules, V. Rao Mundlapati, Sanjeev Gautam, Dipak Kumar Sahoo, Arindam Ghosh and Himansu S. Biswal*, *JPC Letters*, 8 (2017) 4573

Hypervalent Iodine Mediated C-X (X = -O, -N, -S) Bond Synthesis

6th International Conference on Hypervalent Iodine Chemistry, 01. – 04. July 2018
Cardiff University, Cardiff, Wales, UK

Supramolecular Catalysis in C-X (X = -O, -N, -S) Bond Synthesis

IISER Kolkata, 21 May 2018.

Soft Force Relay in Organic Synthesis

Kaleidoscope 2016, July 5-8, 2017, International Centre Goa.

Dr. V. Krishnan

1. Novel Boron-based Hybrid Materials: Synthesis, Characterization and Photophysical Studies (**MTIC-XVII**), **IISER-Pune, December, 11-14th 2017.**

2. Inorganic-Organic Hybrid Materials: Synthesis, Characterization and Applications (**ICACCS 2018**), **Pachaiyappa's College, February, 2nd & 3rd 2018.**

Sponsored Projects

Imidazole containing polymers for the selective detection of fluoride ion and synthesis of boron-complexes,

(**EMR/2017/000620**);

Sanctioned amount: Rs. **58,88,845**. Funding Agency: SERB-DST.

Dr. Subhadip Ghosh

1. FCS-2017 held in IIT-Guwahati.
2. Interm-2018 Congress held in Turkey.

Dr. Moloy Sarkar

- In National Workshop on Fluorescence and Raman Spectroscopy, FCS 2017, IIT Guwahati, India.
- In Analytix-2018, Miami, USA.

Awards/ Recognition achieved by my Ph.D Students:

"Dr. P. K. Bhattacharyya Memorial Award" for the best poster in Photochemistry to Mr. **Debashis Majhi** in "National Symposium on Radiation and Photochemistry (NSRP-2017)" at Manipal University, Manipal, India.

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Dr. C. Gunanathan

1. Hydroelementation and Sustainable Catalysis. **Plenary Lecture** at *National Conference on Molecules and Materials for Sustainable Development (NCMM-18)*, Division of Chemistry, Karunya Institute of Technology and Sciences, Coimbatore. 6th April 2018.
2. Hydroelementation and Green Catalytic Transformations. *Advances in Catalysis*, Department of Chemistry, IIT Kanpur, India, January 12, 2018.



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- ❖ **.Dr. Chandan Goswami** served as Guest Editor for PeerJ.
- ❖ **Dr. Chandan Goswami** won EMBL Travel Award for attending Symposium: Molecular and Cell Biology of Membranes at EMBL, Heidelberg, 21-23 May 2017.
- ❖ **Dr. Chandan Goswami** was selected as "Co-convener" for International Conference on Microscopy and XXXIX annual meeting of Electron Microscope Society of India, Bhubaneswar, Mayfair lagoon 18-20th July 2018.

Awards and recognitions by Students:

1. **Mr. Biswajit Padhy** (PhD student) fetched Award for outstanding nomenclature on research poster at International Mammalian Genome Meeting 2017, EMBL, Heidelberg, Germany.
2. **Ms. Gargi G. Nanda** (PhD student) fetched Best poster award in NextGen Genomics, Biology, Bioinformatics & Technologies 2017, Bhubaneswar, India.
3. **Ms. Bushra Hayat** (PhD student) fetched Travel award by The International Mammalian Genome Society to attend the trainee symposium and workshop at the EMBL conference, Mammalian Genetics and Genomics: From Molecular Mechanisms to Translational Applications, 2017.
4. **Ms. Gargi G. Nanda** (PhD student) fetched International Travel award for attending EMBL conference from Department of Biotechnology, India, 2017.
5. **Mr. Tathagata Mukherjee** (PhD student) own the First prize in oral presentation in "Indo Oncology Summit Conference 2018 held in Mayfair Lagoon, Bhubaneswar from 2nd to 4th February, 18.
6. **Ms. Anamika Singh** (PhD student) fetched Best Oral Presentation Award in (Student category) in "International Conference on Plant Developmental Biology & 3rd National Arabidopsis Meeting", at NISER Dec 2017.
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ANNUAL REPORT & Audited Statement of Accounts 2017 - 2018



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ANNUAL REPORT
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Audited Statement of Accounts
2017 - 2018



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&
Audited Statement of Accounts
2017 - 2018



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ANNUAL REPORT
&
Audited Statement of Accounts
2017 - 2018



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News (news.php)

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About NISER  (<https://www.youtube.com/watch?v=xj3COHpdWW4>)

PM Address to NISER  (https://www.youtube.com/watch?v=_MUGGBtF9uo)

Photo Gallery (gallery.php)

Feedback of Invited speakers for ICPDB (Feed back.pdf)

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About

About the conference



ANNUAL REPORT
&
Audited Statement of Accounts
2017 - 2018



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About

About the conference

[Home](#)

The Green Science Lab

[Team](#)

People at Kishlab

[Research](#)

Science we do

[Green House](#)

Green House

[Resources](#)

Tools and Technical Resources

[Contact](#)

Get to us

[Gallery](#)

Snaps

[International](#)

Mobility

The Plant Biology Team

We constitute of a small but enthusiastic group including undergraduate and graduate students. In addition to the lab meetings, the members meet together for an over -the-tea informal academic discussion on plant biology at the Plant Biology Discussion Forum. They are joined by other plant biology enthusiasts in the forum discussion. Apart from the regular doctoral and masters' students, the plant biology lab takes a few summer trainees as well, to work on different projects.



Dr. Kishore Panigrahi

Reader-F, +91 674 2494140 (Off), +91 674 2494139(Lab)

panigrahi@niser.ac.in

Dr. Kishore Panigrahi is currently heading the Plant Science Lab at School of Biological Sciences, NISER. His area of interest is light signalling and understanding the control of flowering time in Arabidopsis. However he has a diversified interests in the field of Plant biology research. He has forayed into the field of Production of immunomodulatory proteins using *Physcomitrella* as a model.

Scientists



Dr. Madhusmita Panigrahy

DST Young Women Scientist

mpanigrahy@niser.ac.in

Madhusmita did her PhD from University of Freiburg Germany. She aims to study the regulation of phytochrome signaling that may affect various yield components in rice. This study will help in designing strategies for engineering rice that are better adapted to dense canopy and unpredictable weather conditions with higher yield.

Young Women Scientist currently affiliated to SOA university BBSR

PostDoc



Dr. Bedabrata Saha

SERB NPDF

bedasaha@niser.ac.in

Bedabrata did his PhD from Assam University, Silchar, India. He joined the lab in 2019 and is currently working to elucidate the effect of Aluminium as a stress on photo-morphogenesis, root patterning and flowering time control in Arabidopsis

Phd Students

Durga Prasad Biswal

PhD Scholar

dpbiswal@niser.ac.in

Durga Prasad joined the lab in 2014. He has completed his Msc. from Utkal University, Odisha. His interest revolves around the crosstalk between light and hormone signaling in *Physcomitrella patens*, a moss which are the representative of primitive plants, those plants which conquered land first. Apart from his



major focus he is also trying to understand the abiotic stress response in *Physcomitrella*.



Anamika Singh

PhD Scholar

anamika.s@niser.ac.in

Anamika joined the Lab in 2014. She has done her M.Sc from Banaras Hindu University, Varanasi. Currently she is focusing on "Biochemical and functional characterization of GIGANTEA in *Arabidopsis*

Selected for the Prestigious DAAD Sandwich Module. PhD with Max Planck Institute Cologne in the group of Prof. GEorge Coupland, 1st Aug 2018- 30th jun 2020



Alena Patnaik

PhD Scholar

alena.patnaik@niser.ac.in

She is from the city cuttack. She joined the lab in 2018. She had completed her bachelor's from Ravenshaw university, cuttack and masters from OUAT, Bhubaneswar. Currently she is studying the correlation of phyB and GI with auxin in patterning the root development in plants

Masters' student



Preeti Prava Sahu

Masters' student

She comes from Odisha. She joined the lab in 2018. She is interested in understanding effect of cold stress induced tubulin organisation and modifications during land plant evolution using molecular biology and cell biology tools. She is outgoing students selected to the PhD programme of LMU, Munchen, Germenny



Anshuman Behera

Masters' student

Re-evaluation of the role of ABP1 and understanding the hierarchical pattern of FT expression in *Arabidopsis Thaliana*

Animesh Chaurasia

Masters' student

I am interested in the regulation of gene expression in response to changes in various biotic and abiotic factors. I am using bioinformatics and synthetic biology to develop novel tools for applications in plant science.



ANNUAL REPORT
&
Audited Statement of Accounts
2017 - 2018



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- Invited lecture given by Dr. Kishore Panigrahi at the International symposium on Photobiology, University of Matsue, Japan, 15-18 January 2018.

Title "Carbon nano particles accelerates flowering in a photoperiod dependent manner in Arabidopsis.

- Invited lecture given by Dr. Kishore Panigrahi at the BJB College, Bhubaneswar, India, 15 March 2018.

Title: "Light signaling in Plants".

- Invited lecture given by Dr. Kishore Panigrahi at the Ramadevi University, Bhubaneswar, India, 25th March 2018.

Title: "Light signaling and flowering time control in Plants".

- Invited lecture given by Dr. Harapriya Mohapatra as Lead Speaker at National workshop on "Antimicrobial Resistance &



ANNUAL REPORT & Audited Statement of Accounts 2017 - 2018



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ANNUAL REPORT & Audited Statement of Accounts 2017 - 2018



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- Invited lecture given by Dr. Kishore Panigrahi at the Ramadevi University, Bhubaneswar, India, 25th March 2018.

Title: "Light signaling and flowering time control in Plants".

- Invited lecture given by Dr. Harapriya Mohapatra as Lead Speaker at National workshop on "Antimicrobial Resistance &



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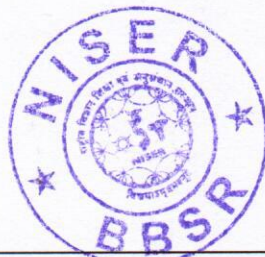
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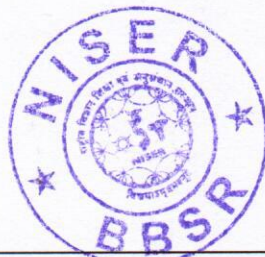
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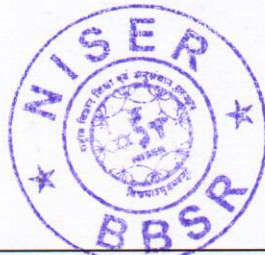
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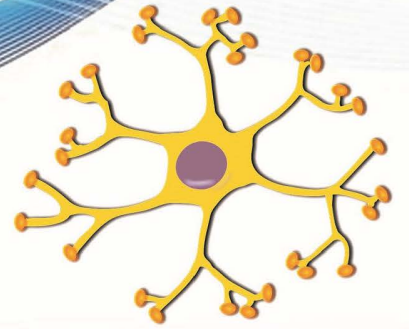
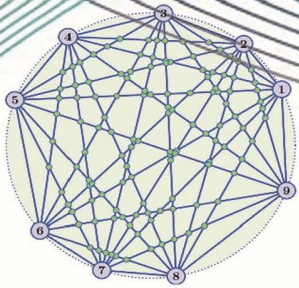
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STUDENT AFFAIRS

Our students have always been our most prized possessions. Since NISER's inception, we have been trying to create, nurture and sustain an academic environment which can be compared with the best nationally and internationally.

Many of our students have bagged fellowships and awards from various quarters. Some of them are worth a mention here.

Bikramaditya Sahu, PhD student of SMS received NBHM Postdoctoral fellowship to pursue research work at IISc Bangalore

Preeti Prava Sahoo received the Baden-wurtemberg Fellowship Germany to work in Karlsruhe Institute of Technology, Germany.

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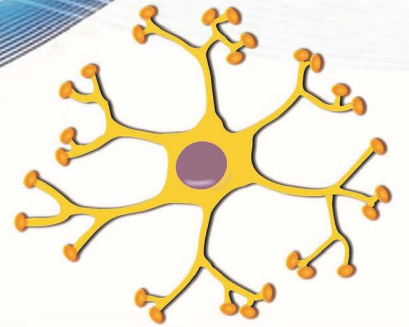
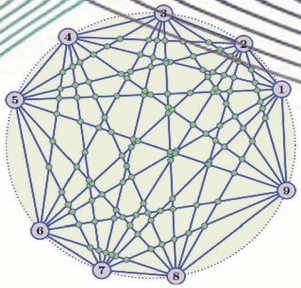
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Placement

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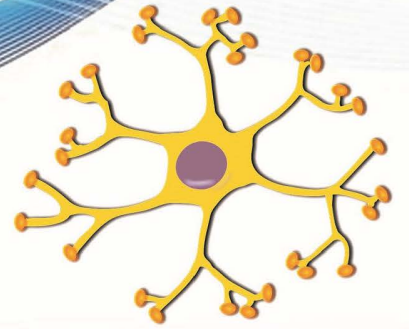
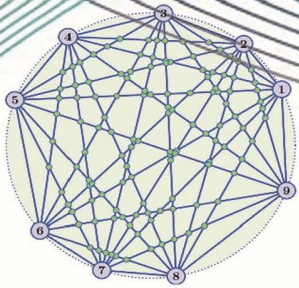
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The Green Science Lab

[Team](#)

People at Kishlab

[Research](#)

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[Green House](#)

Green House

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Mobility

The Plant Biology Team

We constitute of a small but enthusiastic group including undergraduate and graduate students. In addition to the lab meetings, the members meet together for an over -the-tea informal academic discussion on plant biology at the Plant Biology Discussion Forum. They are joined by other plant biology enthusiasts in the forum discussion. Apart from the regular doctoral and masters' students, the plant biology lab takes a few summer trainees as well, to work on different projects.



Dr. Kishore Panigrahi

Reader-F, +91 674 2494140 (Off), +91 674 2494139(Lab)

panigrahi@niser.ac.in

Dr. Kishore Panigrahi is currently heading the Plant Science Lab at School of Biological Sciences, NISER. His area of interest is light signalling and understanding the control of flowering time in Arabidopsis. However he has a diversified interests in the field of Plant biology research. He has forayed into the field of Production of immunomodulatory proteins using *Physcomitrella* as a model.

Scientists



Dr. Madhusmita Panigrahy

DST Young Women Scientist

mpanigrahy@niser.ac.in

Madhusmita did her PhD from University of Freiburg Germany. She aims to study the regulation of phytochrome signaling that may affect various yield components in rice. This study will help in designing strategies for engineering rice that are better adapted to dense canopy and unpredictable weather conditions with higher yield.

Young Women Scientist currently affiliated to SOA university BBSR

PostDoc



Dr. Bedabrata Saha

SERB NPDF

bedasaha@niser.ac.in

Bedabrata did his PhD from Assam University, Silchar, India. He joined the lab in 2019 and is currently working to elucidate the effect of Aluminium as a stress on photo-morphogenesis, root patterning and flowering time control in Arabidopsis

Phd Students

Durga Prasad Biswal

PhD Scholar

dpbiswal@niser.ac.in

Durga Prasad joined the lab in 2014. He has completed his Msc. from Utkal University, Odisha. His interest revolves around the crosstalk between light and hormone signaling in *Physcomitrella patens*, a moss which are the representative of primitive plants, those plants which conquered land first. Apart from his



major focus he is also trying to understand the abiotic stress response in *Physcomitrella*.



Anamika Singh

PhD Scholar

anamika.s@niser.ac.in

Anamika joined the Lab in 2014. She has done her M.Sc from Banaras Hindu University, Varanasi. Currently she is focusing on "Biochemical and functional characterization of GIGANTEA in *Arabidopsis*

Selected for the Prestigious DAAD Sandwich Module. PhD with Max Planck Institute Cologne in the group of Prof. GEorge Coupland, 1st Aug 2018- 30th jun 2020



Alena Patnaik

PhD Scholar

alena.patnaik@niser.ac.in

She is from the city cuttack. She joined the lab in 2018. She had completed her bachelor's from Ravenshaw university, cuttack and masters from OUAT, Bhubaneswar. Currently she is studying the correlation of phyB and GI with auxin in patterning the root development in plants

Masters' student



Preeti Prava Sahu

Masters' student

She comes from Odisha. She joined the lab in 2018. She is interested in understanding effect of cold stress induced tubulin organisation and modifications during land plant evolution using molecular biology and cell biology tools. She is outgoing students selected to the PhD programme of LMU, Munchen, Germenny



Anshuman Behera

Masters' student

Re-evaluation of the role of ABP1 and understanding the hierarchical pattern of FT expression in *Arabidopsis Thaliana*

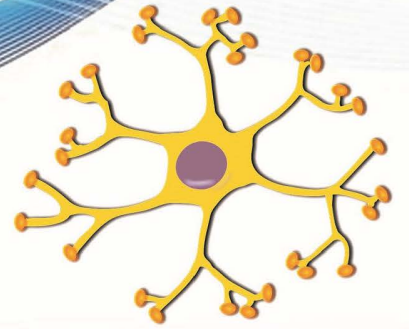
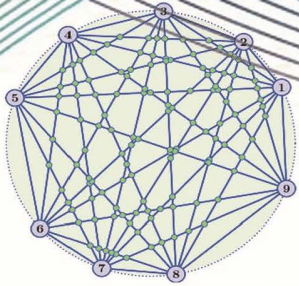
Animesh Chaurasia

Masters' student

I am interested in the regulation of gene expression in response to changes in various biotic and abiotic factors. I am using bioinformatics and synthetic biology to develop novel tools for applications in plant science.



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Additional information

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Special Lectures on Econometric Theory and Application, by Dr Vijay Mohan Pillai Associate Professor, Centre for Development Studies, Trivandrum during 06-11 March, 2017 for Post Graduate and Doctoral students of NISER, Utkal University and Ramadevi University, Bhubaneswar.

STUDENT AFFAIRS

Our students have always been our most prized possessions. Since NISER's inception, we have been trying to create, nurture and sustain an academic environment which can be compared with the best nationally and internationally.

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Preeti Prava Sahoo received the Baden-wurtemberg Fellowship Germany to work in Karlsruhe Institute of Technology, Germany.

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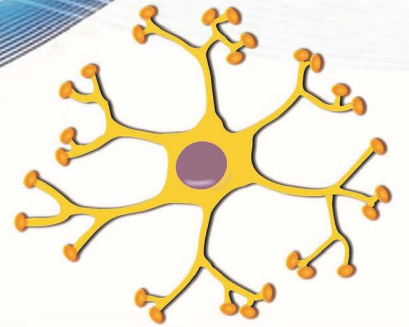
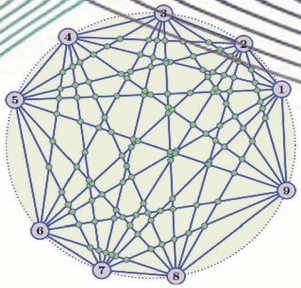
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Placement

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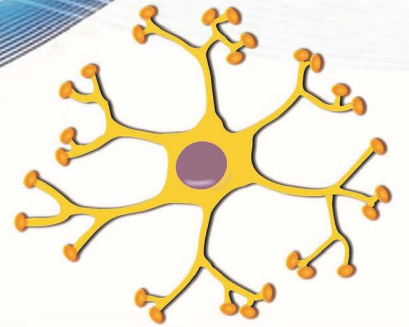
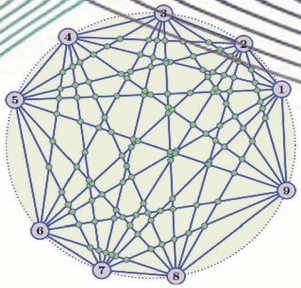
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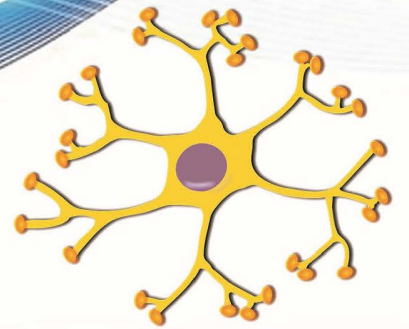
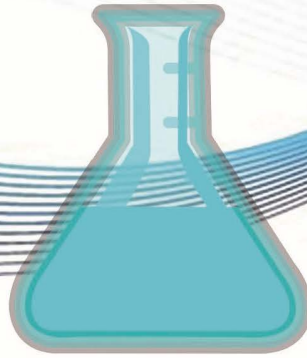
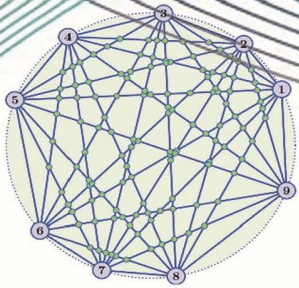
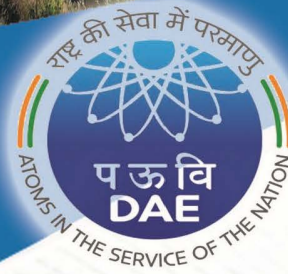
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Awards and Honors received by the SBS Students

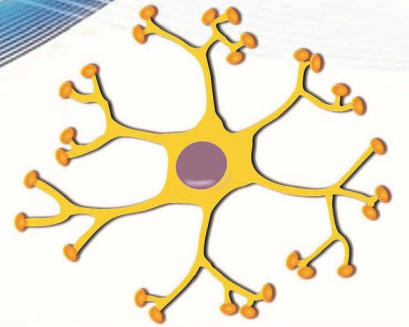
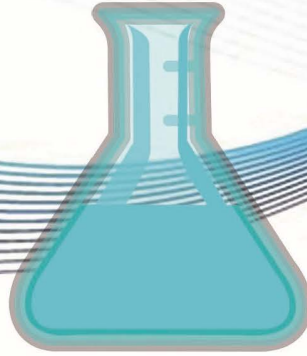
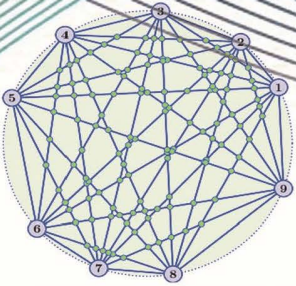
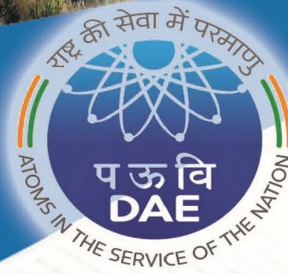
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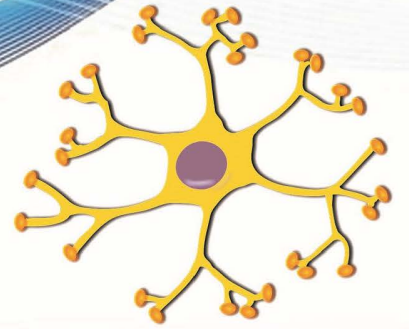
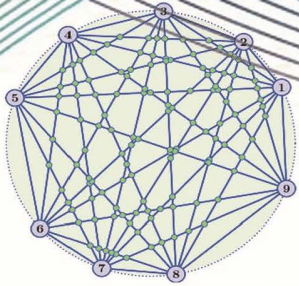
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(An autonomous Institution under Department of Atomic Energy, Govt. of India)

Dr. Pranay Kumar Swain
FIC/Dean, Academic Affairs

डॉ. प्रणय कुमार स्वाई
एफ.आइ.सी./डीन, अकादमिक अफैर्स

Ref: Awards received by the faculty and students
for NAAC-SSR purpose/3.1.3

28th July, 2020

Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Sl. No.	Name of the teacher awarded international fellowship	Name of the award/fellowship	Year of Award	Awarding Agency
1	Dr Subhankar Bedanta	DAAD Research Fellowship	2018	DAAD
2	Dr Chandan Goswami	EMBO FELLOWSHIP	2017	EMBO
3	Dr Palok Aich	Honorary Diploma	2016	VARNA Medical University Bulgaria
4	Dr Subhankar Bedanta	DAAD Research Fellowship	2016	DAAD
5	Prof. Bedangadas Mohanty	Deputy Spokesperson	2014	STAR Experiment at BNL, New York, USA



Dean (Academic Affairs)

अधिष्ठाता/Dean

शैक्षणिक मामले /Academic Affairs

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पोस्ट-जटनी, खोर्दा-752050/P.O.-Jatni, Khurda-752050

NISER, PO-Jatni, Dist- Khordha – 752050, Odisha, India | नाइसर, पो. अ.- जटनी, जिला – खोर्दा, - ७५२ ० ५ ०। ओड़ीशा,
भारत

दूरभाष/Phone: (0674) 2494012, 4013, 4014, 4005, Fax: (0674) 2494004, ई-मेल/E-mail: dean_aa@niser.ac.in

हमेशा हिन्दी में पत्र व्यवहार कर के देश का गौरव बढ़ाएं।