

Work Shops Conducted by Microbiology Group

ADVANCE TRAINING PROGRAM

November – December; 2006

The participants were mostly graduates preferably with some exposure of microbiology.

The program was divided into module to match the skill of the participants. The total number of participants in each module was kept within 25 to ensure proper mentoring of the participants. A total of participants trained under this program were 71 in four separate modules. Module 1 was with main emphasis on Microbiology and biochemical analysis in connection with Biotechnology, Module 2 was with emphasis on Microbiology, module 3 was with emphasis on Molecular biology while Module 4 was an amalgamation of all three. The program provided all course material including boarding and lodging.

The program consisted of

1. Theoretical lectures followed by demonstration by trainers and hands on trial by individual participants of each section of technology (microbiology, biotechnology, bioinformatics, molecular biology): It was carried out in the Department of Biotechnology, at the WBUT campus. It included exposure to different areas of biotechnology and microbiology that could lead to entrepreneur venture; role of opensource in the retrieval of information; bioinformatics based search for potential target; experimental verification of the prediction; characterization of the isolates; etc. The exposure to microbiology and biotechnology was given by Prof A R Thakur, Prof T B Samanta, Dr S Ray Chaudhuri, Dr A Chakraborty; the practical training was imparted by Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee. Role of opensource and bioinformatics was explained by Mrs N Nissa, Ms A Banerjee, Mr S Supakar.
2. Business training module and business plan: This was carried out at WBUT. This module was coordinated by Prof A Sarkar of WBUT. The others involved in the training were Prof S Chowdhury, Mr Arif Ahmed, Ms Veena Hingarh. It mostly consisted of introduction to concept of business plan and usage, components of business plan, writing a business plan and basic financial computations.
3. Lecture followed by interactive session with entrepreneur: It was carried out by Mr I DasGupta, Chief Technical Architect and Cofounder of opensource based L2C2 Technologies.

LIST OF PARTICIPANTS

| S. No. | Name | Qualification | Address |
|---------------|-----------------------|---|---------------------------------------|
| 1 | Dilip Kr Pramanik* | Graduate (B.Sc.) | Kalyanpur, CASA Foundation |
| 2 | Sanat Sardar* | Graduate | Kalyanpur, CASA Foundation |
| 3 | Chameli Purokayet* | Persuing Graduation (B.A. 1 st year) | Kalyanpur, CASA Foundation |
| 4 | Tanushree Modok* | Undergraduate | Kalyanpur, CASA Foundation |
| 5 | Nilima Halder* | Graduate | Kalyanpur, CASA Foundation |
| 6 | Arup Sanpui* | Undergraduate | Kalyanpur, CASA Foundation |
| 7 | Anal Kanti Mandol* | Undergraduate | Kalyanpur, CASA Foundation |
| 8 | Dipankar Sanfui* | Graduate (B.Sc.) | Kalyanpur, CASA Foundation |
| 9 | Jai Kumar Mandol* | Undergraduate | Kalyanpur, CASA Foundation |
| 10 | Debabrata Mandol* | Undergraduate | Kalyanpur, CASA Foundation |
| 11 | Pranab Ghosh* | Undergraduate | Kalyanpur, CASA Foundation |
| 12 | Brehaspaty Halder* | Undergraduate | Kalyanpur, CASA Foundation |
| 13 | Monika Sapui* | Undergraduate | Kalyanpur, CASA Foundation |
| 14 | Chandana Halder* | Undergraduate | Kalyanpur, CASA Foundation |
| 15 | Sudipta Halder* | Undergraduate | Kalyanpur, CASA Foundation |
| 16 | Anthony Das* | Undergraduate | Kalyanpur, CASA Foundation |
| 17 | Amit Mandol* | Undergraduate | Kalyanpur, CASA Foundation |
| 18 | Suman Kalyan Kayet* | Undergraduate | Kalyanpur, CASA Foundation |
| 19 | Atanu Mandal | Persuing M.Sc. Microbiology | Sri Kishan Vakant Lane, Howrah-711101 |
| 20 | Arnab Maiti | Persuing M.Sc. Microbiology | Sealdah, Kolkata-12 |
| 21 | Payal Deb | Persuing M.Sc. Microbiology | Kolkata-32 |
| 22 | Arita Das | Persuing M.Sc. Microbiology | Nivedita Park, Kolkata-41 |
| 23 | Mahua Rani Das | Persuing M.Sc. Microbiology | Haridevpur, Kolkata-82 |
| 24 | Anindita Mukherjee | Persuing M.Sc. Microbiology | Shibpur, Howrah-711102 |
| 25 | Auditi Deb Roy | Persuing M.Sc. Microbiology | Selimpur Road, Kolkata-31 |
| 26 | Gopal Krishna Purohit | Persuing M.Sc. Microbiology | Berhampur |
| 27 | Gyanendra Pradhan | Persuing M.Sc. Microbiology | Berhampur |

| S. No. | Name | Qualification | Address |
|---------------|-------------------------|--|---|
| 28 | Ananta Narayan Panda | Persuing M.Sc. Microbiology | Berhampur |
| 29 | Anjana Devi Sahu | Persuing M.Sc. Microbiology | Berhampur |
| 30 | Puspanjali Sahu | Persuing M.Sc. Microbiology | Berhampur |
| 31 | Anand Kumar Sahu | Persuing M.Sc. Microbiology | Berhampur |
| 32 | Sarita Devi | Persuing M.Sc. Microbiology | Berhampur |
| 33 | Chaitali Das | M.Sc Biotechnology, | Teaching at College of Pharmaceutical Sciences, Berhampur |
| 34 | Debleena Ray | Persuing M.Sc Microbiology | Harinavi, Kolkata-148 |
| 35 | Priyanka Singh | Persuing M.Sc. in Industrial Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 36 | Priyanka Pusp | Persuing M.Sc. in IB | Gandhi Institute of Basic Sciences, Gunupur |
| 37 | Vikas Ranjan | Persuing M.Sc. in IB | Gandhi Institute of Basic Sciences, Gunupur |
| 38 | Gitanjali Sahoo | Persuing M.Sc. in IB | Gandhi Institute of Basic Sciences, Gunupur |
| 39 | Kedari Beborta | Persuing M.Sc. | Gandhi Institute of Basic Sciences, Gunupur |
| 40 | Nirmalya Prasad Sadangi | Persuing M.Sc. | Gandhi Institute of Basic Sciences, Gunupur |
| 41 | Swarupa Kumar Behera | Persuing M.Sc. | Gandhi Institute of Basic Sciences, Gunupur |
| 42 | M. Nagamani | Persuing M.Sc. | Gandhi Institute of Basic Sciences, Gunupur |
| 43 | Meeralini Khatua | Persuing M.Sc. | Gandhi Institute of Basic Sciences, Gunupur |
| 44 | Rashmi Patnaik | Persuing M.Sc. | Gandhi Institute of Basic Sciences, Gunupur |
| 45 | Sushil Kumar Panigrahi | Persuing M.Sc. | Gandhi Institute of Basic Sciences, Gunupur |
| 46 | Saurabh Jyoti Sarma | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |

| S. No. | Name | Qualification | Address |
|---------------|-----------------------|---------------------------------|---|
| 47 | Mithlesh Kumar Pandey | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 48 | Sanat Kumar Mohanty | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 49 | Debmalya Basu | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 50 | Subhasis Maiti | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 51 | Prabhat Moharana | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 52 | Santosh Kumar Jha | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 53 | Biswajit Basak | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 54 | Arvinder Singh | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 55 | Hriday Krishna Dutta | Persuing M.Sc. in Biotechnology | Gandhi Institute of Basic Sciences, Gunupur |
| 56 | Suryatapa Ghosh Ray | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 57 | Debmalya Barua | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 58 | Santu Sikdar | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 59 | Atanu Goswami | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 60 | Preeti Purohit | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 61 | Arpita Mukhopadhyay | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 62 | Mona Bharti | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 63 | Shagufta Parveen | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 64 | Ananya Lahiri | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 65 | Lily Chakraborty | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 66 | Tanima Chakraborty | Persuing M.Sc. | Sikkim Manipal Institute. |

| <i>S. No.</i> | <i>Name</i> | <i>Qualification</i> | <i>Address</i> |
|---------------|---------------------|----------------------|--------------------------------------|
| | | | Kolkata |
| 67 | Antara Bhattacharya | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 68 | Arindam Datta | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 69 | Dipankar Roy | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 70 | Tanwir Parvez | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |
| 71 | Meghna Moitra | Persuing M.Sc. | Sikkim Manipal Institute, Kolkata |

* These participants are actually involved in honey collection and its trade within India. They come from the area of Baruipur which happens to be the largest wholesale market for honey for the eastern region of our country.

Itinerary for the Program

Date: 17th Nov to 8th December 2006

Venue: West Bengal University of Technology
BF-142, sector 1, Salt Lake,
Kolkata-700064

Module I

Quality assessment of honey

17th to 19th Nov 2006

17th Nov 2006:

| | |
|---------------|--|
| 10.30-11.00AM | Registration |
| 11.00-11.15AM | Inauguration speech (Prof. AR Thakur), |
| 11.15-4.00PM | Wetlab (Prof T B Samanta, Mr Avik Mukherjee, Ms Madhusmita Mishra) Diastase activity, Hydroxymethyl furfural, Moisture content, pH. |
| 01.30-02.00PM | Lunch |
| 04.00PM | Tea and snacks |

18th Nov 2006:

| | |
|---------------|---|
| 11.00-4.00AM | Wetlab (Prof A R Thakur, Dr S Ray Chaudhuri, Mr Avik Mukherjee, Ms Madhusmita Mishra) |
| 01.30-02.00PM | Lunch |
| 04.00PM | Tea and snacks |

19th Nov 2006:

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|-----------------|--|
| 11.00AM-12.00PM | Analysis of result for microbial test (Dr S Ray Chaudhuri) |
| 12.00-01.00PM | Preservation method (Prof. A R Thakur) |
| 01.00PM | Validitary session |

Module II

Microbiology based Biotechnology product development

21st to 27th November 2006

21st November 2006:

| | |
|------------------|---|
| 10.30-11.00AM | Registration |
| 11.00-11.30AM | Inauguration speech (Prof. A.R. Thakur), Introduction to the program (Dr S Ray Chaudhuri) |
| 11.30-12.30PM | Free software – your competitive edge in a globalized society (Mr I Das Gupta) |
| 12.30-01.30PM | Wetlab (Dr S Ray Chaudhuri) |
| 01.30 to 02.00PM | Lunch |
| 02.00- 04.30PM | Microbial Screening Lab (Dr S Ray Chaudhuri) |
| 04.30PM | Tea and snacks |

22nd November 2006:

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|------------------|---|
| 10.30-11.30AM | Microbial Biodiversity from East Calcutta Wetland (Prof A R Thakur) |
| 11.30-12.30PM | Medicinal Plant (Ms A Banerjee) |
| 12.30-01.30PM | Screening of database (Mr S Supakar) |
| 01.30 to 02.00PM | Lunch |

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|----------------|---|
| 10.30-11.30AM | Microbial Biodiversity from East Calcutta Wetland (Prof A R Thakur) |
| 02.00- 03.00PM | Bioinformatics Lab (Mr S Supakar) |
| 03.00- 04.30PM | Biotechnology Lab (Dr S Ray Chaudhuri) |
| 04.30PM | Tea and snacks |

23th November 2006:

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|---------------|-------------------------------------|
| 10.30-11.30AM | Bioprospecting (Dr S Ray Chaudhuri) |
| 11.30-12.30PM | Wetlab (Dr S Ray Chaudhuri) |
| 12.30-01.30PM | Wetlab (Dr S Ray Chaudhuri) |
| 01.30-02.00PM | Lunch |
| 02.00-03.00PM | Wetlab (Dr S Ray Chaudhuri) |
| 03.00-04.30PM | Wetlab (Dr S Ray Chaudhuri) |
| 04.30PM | Tea and snacks |

24th November 2006:

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|---------------|--|
| 10.30-11.30AM | Introduction to concepts of Business Plan and Usage (Prof A Sarkar/ Mr Arif Ahmed) |
| 11.30-12.30PM | Components of Business Plan (Mr Arif Ahmed/ Ms Veena Hingarh) |
| 12.30-01.30PM | Lunch |
| 01.30-02.30PM | Writing a Business Plan (Mr Arif Ahmed/ Ms Veena Hingarh) |
| 02.30-03.30PM | Basic Financial Computations (Mr Arif Ahmed/ Ms Veena Hingarh) |
| 03.30-04.30PM | Wetlab (Dr S Ray Chaudhuri) |
| 04.30PM | Tea and Snacks |

25th November 2006:

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|---------------|--|
| 10.30-11.30AM | Biofertilizer (Prof T B Samanta) |
| 11.30-12.30PM | Model scheme for production, quality control and application of Biofertilizer – I (Dr A Chakraborty) |
| 12.30-01.30PM | Model scheme for production, quality control and application of Biofertilizer – I (Dr A Chakraborty) |
| 01.30-02.00PM | Lunch |
| 02.00-03.00PM | WetLab (Dr A Chakraborty) |
| 03.00-04.30PM | Wetlab (Dr A Chakraborty) |
| 04.30PM | Tea and Snacks |

26th November 2006:

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| 10.30-11.30AM | Digital Library (Mrs N Nissa) |
| 11.30-12.30PM | Model scheme for production, quality control and application of Biofertilizer – II (Dr A Chakraborty) |
| 12.30-01.30PM | Model scheme for production. quality control and application of |

| | |
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| 10.30-11.30AM | Digital Library (Mrs N Nissa) |
| | Biofertilizer – II (Dr A Chakraborty) |
| 01.30-02.00PM | Lunch |
| 02.00-03.00PM | WetLab (Dr A Chakraborty) |
| 03.00-04.30PM | Wetlab (Dr S Ray Chaudhuri) |
| 04.30PM | Tea and Snacks |

27th November 2006:

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| 02.00-03.00PM | Valedictory Session |
| 03.30PM | Tea and Snacks. |

Module III
Molecular Biology: Basic Training
 28th November to 13th December 2006

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| 28 th Nov: 10.00-06.00PM | Lecture on the different expts. – an overview. Preparation for sterilization, autoclave all labwares. |
| 29 th Nov: 10.00-06.00PM | Media preparation, plate pouring (both LB and LB+amp), plate streaking (few) for single colony isolation |
| 30 th Nov: 10.00-06.00PM | Solutions sterilization (for prep. of competent cells), plate streaking (all repeat) for single colony isolation |
| 4 th Dec: 10.00-06.00PM | Transformation (plasmid DNA):- few plates, single colony inoculation for competent cell prep. |
| 5 th Dec: 10.00-06.00PM | Preparation of competent cells by CaCl ₂ method. |
| 6 th Dec: 10.00-06.00PM | Check transformation efficiency, inoculation for plasmid prep. |
| 7 th Dec: 10.00-06.00PM | Plasmid DNA prep |
| 8 th Dec: 10.00-06.00PM | Agarose gel electrophoresis for plasmid DNA, DNA spectrum |
| 11 th Dec: 10.00-06.00PM | DNA spectrum, Restriction digestion |
| 12 th Dec: 10.00-06.00PM | Agarose gel electrophoresis for DNA digestion check, Polymerase Chain Reaction (PCR) |
| 13 th Dec: 10.00-06.00PM | PCR product analysis |

Module IV

Microbiology, Molecular Biology and Biotechnology: Entrepreneur Product Development

4th to 8th December 2006

4th December 2006:

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|------------------|--|
| 10.00-10.30AM | Registration |
| 10.30-11.30AM | Cloning of Genes in Plasmid as well as metagenomics using BAC (Prof. A.R. Thakur), |
| 11.30-12.30PM | Microbial Genetic Resource Mapping to Bioprospecting at East Calcutta Wetland (Dr S Ray Chaudhuri) |
| 12.30-01.30PM | Free software – your competitive edge in a globalized society (Mr I Das Gupta) |
| 01.30 to 02.00PM | Lunch |
| 02.00 to 04.30PM | <ol style="list-style-type: none"> 4. Environmental and food sample analysis 5. Pulse Field Plug Preparation (Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee) |
| 04.30PM | Tea |

5th December 2006:

| | |
|-----------------|---|
| 10.30-11.30AM | Medicinal Plant and screening of database (Ms A Banerjee and Mr S Supakar) |
| 11.30-04.30PM | i)Pulse Field Gel Electrophoresis run <ol style="list-style-type: none"> 1. PCR 2. Result Analysis 3. Enzyme assay (Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee) |
| 01.30 to 2.00PM | Lunch |
| 4.30PM | Tea |

6th December 2006:

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|-----------------|---|
| 10.30AM-12.30PM | Plasmid isolation by modified alkali lysis method (Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee) |
| 12.30-01.30PM | Microbial model for mammalian drug metabolism (Prof T B Samanta) |
| 01.30-02.00PM | Lunch |
| 02.00-04.30PM | PCR Product analysis, Mixing of additive to detergent , Dehairing of hide through conventional and enzyme (Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee) |
| 04.30PM | Tea |

7th December 2006:

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|-----------------|--|
| 10.30AM-11.00AM | Introduction to concepts of Business Plan and Usage (Prof A Sarkar) |
| 11.00-12.30PM | Components of Business Plan and Writing a Business Plan (Mr A Ahmed) |
| 12.30-01.30PM | Dehairing Result (Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee) |

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| 10.30AM-11.00AM | Introduction to concepts of Business Plan and Usage (Prof A Sarkar) |
| 01.30-02.00PM | Lunch |
| 02.00-04.30PM | Plasmid gel analysis and detergent efficiency testing. (Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee) |
| 04.30PM | Tea |

8th December 2006:

| | |
|-----------------|--|
| 10.30AM-11.30AM | Analysis of Result (Ms S Chowdhury, Ms M Mishra, Mr A Mukherjee) |
| 11.30AM-12.30AM | Valedictory Lecture (Prof. Subir Chowdhury) |
| 12.30-01.00PM | Valedictory session |

Resource Person

Technical module:

Biotechnology/ Microbiology/ Molecular Biology

Prof A R Thakur, Vice Chancellor, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Prof T B Samanta, Advisor, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Dr J Bandopadhyay, Lecturer, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Dr S Ray Chaudhuri, Lecturer, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Dr A Chakraborty, Project Officer, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Mr A Mukherjee, Research Scholar, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Ms S Chowdhury, Research Scholar, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Ms M Mishra, Research Scholar, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Bioinformatics/ Opensource

Ms A Banerjee, Project Officer, Department of Biotechnology, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Mr S Supakar, Project Officer, Department of Biotechnology, West Bengal University of Technology,

BF-142, Sector 1, Salt Lake, Kolkata-700064.

Mrs N Nissa, Librarian, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Mr I Das Gupta, Chief Technical Architect and Cofounder, L2C2 Technologies, AQ13/1, Salt Lake City, Sector V, Kolkata-700091.

Business Module

Prof A Sarkar, Director, School of Management and Natural Sciences, West Bengal University of Technology, BF-142, Sector 1, Salt Lake, Kolkata-700064.

Mr A Ahmed,

Ms Veena Hingarh,

Dr S Chowdhury, Former Director, Indian Institute of Management, Kolkata.

EXPENDITURE

| <i>S.No</i> | <i>Item</i> | <i>Details</i> | <i>Amount(Rs)</i> |
|-------------|---------------------------|--|-------------------|
| 1. | Press release | Ganasakti (Display) October 2006 | 6,415.00 |
| 2. | Accommodation | Stay at Udayachal Tourist Lodge (17 th November till 8 th December 2006. | 18,120.00 |
| 3. | Food | Breakfast, Lunch, Tea with Snacks and Dinner | 23,420.38 |
| 4. | Honorarium | External Speakers (from outside WBUT) | 6,000.00 |
| 5. | Chemicals and Consumables | For carrying out the technical training in the wetlab. | ~1,03,749.00 |
| 6. | Miscellaneous | Printing manual in Bengali, Writing pads, pen, folders, photopaper for certificate. | 2,042.00 |
| Total | | | 1,59,746.38 |

Hands on training on identification of plankton: indicator of water quality

2nd-5th oct

Speakers: Dr. Shaon Ray Chaudhuri

Technical Assistance: Mr. Arunava Pradhan

Organizing Assistance:

Ms. Sanhita Chowdhury

Ms. Madhusmita Mishra

Ms. Poonam Nasipuri

Ms. Poulami Nandy

Ms. Sumana Das

Participants:

Ms. Sufia Khanam (EPRC Bangladesh)

Sanowar Hossain





Training on Whole Cell (Prokaryotic) Transmission Electron Microscopy **26th to 29th Jan 2008**

Speakers:

- Dr. Atanu Basu (National institute of Virology, Pune)
- Dr. Abhijit Chakraborty (Saha Institute of Nuclear Physics)
- Dr. Trivani Krishnan (National Institute of Cholera and Enteric Diseases)
- Dr. Dhira Rani Saha (National Institute of Cholera and Enteric Diseases)
- Dr. Amar Nath Ghosh (National Institute of Cholera and Enteric Diseases)
- Mr P K Ray (Saha Institute of Nuclear Physics)

Resource Person for Hands on Training:

- Dr. Atanu Basu (National institute of Virology, Pune)
- Dr. Shaon Ray Chaudhuri (West Bengal University of Technology)
- Dr. Radhashree Maitra

Technical Assistance:

Ms. Madhusmita Mishra
Ms. Poulami Nandy



Mr. Indranil Dasgupta (Photography)

Organising assistance:

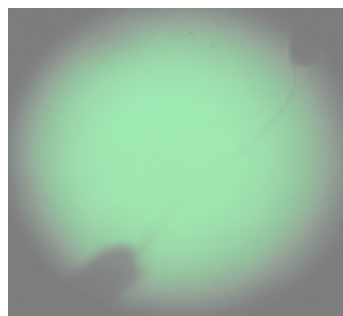
Ms. Madhusmita Mishra

Ms. Poulami Nandy

Ms. Sumana Das

Ms. Poonam Nasipuri

Participants: 108



Madhusmita Mishra
 Poonam Nasipuri
 Poulomi Nandy
 Sumana Das
 Pranami Bhaumik
 Monali Sen
 Sourav Pakrashi
 Aditya Kumar Sarkar
 Susmita Roy
 Ananya Pal
 Aritra Deb
 Rachana Trivedi
 Alka Agarwal
 V Kohila
 Sachin Kr. Singh
 Nijendra Pratap Singh

Isha Rakheja
 Sayantee Sahu
 Debojyoti Chakraborty
 Arimita Das
 Amrita Mukherjee
 Antara Das
 Prahlad Singh
 Priti Bala Singh
 Haritha.G
 Brindha.S
 Deepa Paliwal
 Susiharan G.S.
 G Ganapathy
 Anmol Kumar
 Kumar P
 Ankur Kulshreshtha

Kumar Verma
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Jayshankar Singh Yadav
 Ankush Karemore
 Kaushal Prasad Mishra
 Srimoyee
 D. J. B.

S.Suvasish Lenka
 Khirodini Majhi
 Prachi Agarwal
 Sidharth Sankar Ram



