

# Department of Microbiology Annual Report 2013-14

## Workshop/Seminar organized:

Sr. no.	Title	Duration and Dates	Level
1	Placement Workshop "Right Groundwork For Right Industry" conducted in collaboration with the Board of Student Welfare, University of Pune. Co-ordinators:- Mrs. Vaidehi Dande Mrs. Ashwini Satbhai	11 <sup>th</sup> and 12 <sup>th</sup> October 2013	<b>College level (for MSc II and TYBSc. students)</b>
2	"Research Methodology & Scientific Communication" conducted in collaboration with AMI (Pune Unit)	3/10/13	<b>District level</b>

## Training course conducted:

Sr. no.	Title	Status
1	Certificate Course: <b>"Applied Techniques in Industry and Laboratories"</b> . Coordinator: Dr. Mrs. Kavita Parekh, Assistant Coordinators: Mr. Prasad Deshmane & Ms Vrushali Deshmukh	<b>Sanctioned by UGC</b> ; started in academic year (2012-13)

## Educational and Industrial Visits:

- a. Agritourism, Baramati by SYBSc & TYBSc students on 26/12/13.  
They were shown:
  - i. Biofertilizer production
  - ii. Production of Bio-control agent
  - iii. Water purification system for use in drip irrigation

- iv. Use of Solar energy for implementation (automated process) of drip irrigation.
  - v. Grafting
  - vi. Fishery
- b.** TYBSc students visited NARI on 1/12/13, their open day.
  - c.** TYBSc students visited Janakalyan Rakta Pedhi, Pune on 31<sup>st</sup> Jan 2014.
  - d.** MSc I students visited MCC-NCCS where they saw various instruments (for which the working was explained) such as FAME Analyzer, MALDI- TOF, Ion Torrent Sequencer on 9/10/2013.

#### **Guest lectures: 2013-14**

1. Dr. Yogesh Shouche, Scientist, NCCS on 'Next Generation Sequencing Techniques' on 14/10/13 for MSc I & II students.
2. Dr. Kiran Randive, Asst. Prof., Waghire College on 'Classification and identification of Fungi' on 11/10/13 for MSc I students.
3. Dr. B. B. Nath, Prof & Head, Dept of Zoology, University of Pune on 'New Trends In Chromosome Research', on 7/02/14 for UG and PG students (under DBT-STAR scheme).

#### **Staff achievements:**

##### **1. Mrs. Sneha Ogale:**

- Attended workshop on **"Art of Science Communication"** organized by AMI Pune unit and Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.
- Attended seminar on **"Entrepreneurship: Gateway for Biologists"** organized by AMI Pune unit, and Padmashree D. Y. Patil College of Arts, Science and Commerce, Chinchwad, Pune in Aug 2013.
- **Annual member** of American Society for Microbiology.
- **Member of Alumni Association.**
- **Life member** of Association of Microbiologists India.
- **Life member** of Society of Biological Chemists (India).
- **Executive Council member** of Association of Microbiologists India (Pune unit).
- Member food committee for "Avishkar" zonal level competition.

##### **2. Mrs. Anupama Sonawane:**

- Attended workshop on **"Art of Scientific communication in Research"** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.
- Member of PBAS

- Life member of Association of Microbiologists India.
- Member of F.Y.B.Sc. admission committee
- Member food committee for “Avishkar” zonal level competition

3. Dr. Mrs. Neelima Kulkarni:

- Attended workshop on **“Art of Scientific communication in Research”** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.
- Worked as a member of ‘Handwriting competition committee’ during youth week.
- Member food committee for “Avishkar” zonal level competition
- **Life member** of Association of Microbiologists India.
- **Life member** of Society of Biological Chemists (India).

4. Mrs. Nandita Shenoy:

- Attended a **“Quality Enhancement workshop”** organized by Microbiology Association, Department of Microbiology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 5/ 02/ 2013.
- PG credit based syllabus workshop in BCUD, UoP

5. Mr. Prasad Deshmane:

- Attended a **“Quality Enhancement workshop”** organized by Microbiology Association, Department of Microbiology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 5/ 02/ 2013.
- Co-coordinator for Certificate Course: **“Applied Techniques in Industry and Laboratories”**.
- Worked as a member of UGC XI plan committee of the college .
- Worked as a member of SWARMADHDURI committee.
- Involved in proposal preparation for ‘Instrument Repair and Maintenance scheme’ UGC XII PLAN .
- Worked in MODERN SHREE committee.
- Worked in proposal preparation for Best Collge Award of Pune University.
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6. Mrs Vrushali Deshmukh:

- Co-coordinator for Certificate Course: **“Applied Techniques in Industry and Laboratories”**.
- Member: Departmental IQAC
- Member of Alumni Association
- Member: Organising Committee, Elocution Competition, Yuva Saptah

7. Dr. Kavita Parekh:

- Attended workshop on **“Art of Scientific communication in Research”** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.
- Poster presented at Avishkar entitled “Strinking Ros”: A potential Warrior for Multi-Drug resistant *Pseudomonas* infection.
- Coordinator for Certificate Course: **“Applied Techniques in Industry and Laboratories”**.
- Member food committee for “Avishkar” zonal level competition

8. Mrs.Vaidehi Dande:

- Co- ordinator for **“Safety, Health & Environment” Committee**.
- Member: Science Association
- Member: Placement cell ( Departmental level)
- Attended a workshop for PG teachers organized by IISER, Pune.
- Attended workshop on **“Art of Scientific communication in Research”** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.
- Member of Reception committee Vividha-2014
- Member food committee for “Avishkar” zonal level competition

9. Mrs. Ashwini Satbhai:

- **Member** of **“Placement Cell” Committee**.
- **Member** of **“Safety, Health & Environment” Committee**.
- **Coordinator** for **“Water Potability Testing” Programme** for drinking water provided in college.
- **Member** of **“Science Exhibition “Committee** (Departmental Level).
- **College Coordinator “State Level Microbiology Contest”** conducted by **R. C. Patel, College; Shirpur**.
- Attended workshop on **“Art of Scientific communication in Research”** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.
- Member food committee for “Avishkar” zonal level competition

10. Ms Debangi Chattopadyay:

- Attended a **“Quality Enhancement workshop”** organized by Microbiology Association, Department of Microbiology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 5/ 02/ 2013.
- Attended workshop on **“Art of Scientific Communication in Research”** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.

11. Ms Khushboo Ravalani:

- Attended a **“Quality Enhancement workshop”** organized by Microbiology Association, Department of Microbiology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 5/ 02/ 2013.
- Attended workshop on **“Art of Scientific communication in Research”** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.
- SYBSc syllabus restructuring

12. Priya Neurgaonkar:

- Attended **International conference on ‘Recent trends in Biotechnology’** organized by National Chemical Laboratory, Pune, 7-9 October 2013.
- Attended workshop on **“Art of Scientific communication in Research”** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.

### Ongoing Collaborative Projects:

Sr. no.	Name of staff member	Title and Nature	Institute and other details
1	Mrs. Sneha Ogale	‘Microbial Diversity Assessment of River water sample’.	Dr. Yogesh Shouche, MCC-NCCS (DBT, Govt of India)
2	Mrs. Vaidehi Dande	Retrospective study of presumptive factors of IVF &	Mr. Ashok Patel & Dr. Leena Patankar, Genesis Fertility Clinic, Patankar Hospital Pvt. Ltd. Pune

		Microbiological analysis of semen	Dr. Mohan Kale, Associate Professor, Dept. of Statistics, University of Pune, Pune
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## STUDENT ACHIEVEMENTS :

### 1. Academic achievements :

- Mamlesh Waghmode, Jini Chaco, Kashmira Badgujar and Sukomal Kate won **College level 1<sup>st</sup> prize Anubhuti (2014)**
- Neelam Kaushik, Manasi Yadav, Jayashree Khadilkar (M.Sc. II) and Apurva Phadnis (M.Sc. I) won **departmental 1<sup>st</sup> prize in Anubhuti (2014)**
- Gayatri Shelke, Neha Gogawale, Purva Chavan (M.Sc. Part- I) achieved **Lila Poonawalla Foundation Scholarship (2013)**
- Abhay Kothari, Chetan Patwardhan, Kunal Kothari, Neha Gogawale, Shweta Limbachiya, Akanksha Teggi, Gayatri Shelke and Jagruti Tank (M.Sc. Part- I) achieved **Weikfield Scholarship (2013)**
- Sixteen TYBSc students underwent training in Diwali vacation at Janakalyan Blood Bank.
- The annual Science Exhibition 'Anubhuti' is organized on 24<sup>th</sup> January 2014. Students from science departments will participate in projects, models, posters, student presentations and rangoli & salad decoration competitions based on scientific themes.

### 3. Conferences/ seminar/ Workshops attended-

- Manesh Joshi (M.sc.I) attended International conference on **"Molecular biology and Genetics"** organized by Reva Institute, Bangalore, 5-8 February 2014.
- M. Sc. I and M.Sc. II students attended workshop on **"Art of Scientific communication in Research"** organized by AMI Pune unit, at Shivajinagar auditorium, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05, on 22/ 01/ 2014.

## **Special Activities:**

### **I. Placement Cell Activities:**

#### **• Students were recommended for placement to industries/institutes:**

- Tata Chemicals Ltd. Pirangut, Pune
- Ventri biological, pune
  - Emcure Pharmaceuticals, Pune
- IT cube solutions, Pune
- Sahyadri Speciality labs, Pune
- Gupte Hospital, Pune
- Dept. of Biotech, Modern College, Shivajinagar
- Evolvus, Pune
- Dept. of Biotech, Abasaheb Garware College, Pune
- Dept. of Botany, Uop
- Green Vision Pvt. Ltd. Pirangut
- MDindia healthcare, pune
- NCL, Pune

#### **Extracurricular Achievements:**

##### **• College level poster competition-**

1. Hemalata Rao and Bhagyashree Shirke- 1<sup>st</sup> prize (2014)
2. Rohit Lad, Tanmay Zimber - 2<sup>nd</sup> prize (2014)
3. Shweta Limbachiya, Akankasha Teggi- 3<sup>rd</sup> prize (2014)

##### **• College level Rangoli competition-**

1. Mugdha Shete- 2<sup>nd</sup> prize (2014)

##### **• College level Mehendi competition-**

1. Jagruti Tank- 2<sup>nd</sup> prize
2. Shraddha Patil- Consolidated prize