

**Department of Botany
Savitribai Phule Pune University, Pune – 411007**

Workshop on Techniques in Molecular Phylogenetic Analysis, 5-8 January 2016

List of Selected Participants

Sr No	Name
1	Dr. B. G. Bagal Head, E.S. Divekar College, Varvand
2	Dr. Somnath Waghmare NW College, Pune
3	Dr. V. B. Naikwadi CT Bora college, Shirur
4	Dr. Minakshi Mahajan Fergusson College, Pune
5	Dr Sanket Tembe Fergusson College, Pune
6	Dr Madhuri Patil TC College, baramati
7	Dr. Prasad Lamrood Ahmednagar College, Ahmednagar
8	Dr. Varsha Shiram PRM College, Akurdi
9	Dr. Vaijayanti Tamhane IBB, SPPU, Pune
10	Dr D. N. Mokat SPPU, Pune
11	Dr. Bindu Arora AG College, Pune
12	Dr R. U. Shaikh Poona College of ASC, Pune
13	Dr. Kalim Shaikh Poona College of ASC, Pune
14	Mr. R T Nikam SPPU, Pune
15	Dr Shadab Ahmed IBB, SPPU, Pune
16	Dr P S Kabnoorkar ASC College, Indapur
17	Dr Suman Sheelavanrmath Sinhgad College of Science, Pune
18	Mr B G Meshram SPPU, Pune

19	Dr Mahesh Borde SPPU, Pune
20	Nadeem Wadiwalla T S Engineering College, Bandra (W), Mumbai
21	Dr Pravin Patil M J College, Jalgaon
22	Dr Kiran Pawar Shivaji University, Kolhapur
23	Dr R B Ade SGB Amarvati University, Amarvati
24	G H Kathwate R S College, Latur
25	Sandhya Kadiru Sophia College, Mumbai
26	Vishal Kadu Sathaye College, Vile Parle (E), Mumbai
27	D B Khamankar L T College, Wani
28	Dr sachin patil V Y A S College, Peth Vadgaon
29	Dr Santoshkumar Jayagoudar G S S College, Belagavi
30	Dr S S Piwalatkar NW College, Pune

E mails are sent to the selected participants. Please give your acceptance & accommodation requirement if needed to tmpa16@gmail.com.

(A. B. Nadaf)
Co-ordinator

(Sujata Bhargava)
Head

Workshop on 'Techniques in Molecular Phylogenetic Analysis'

Jan 5-8 2016

Botany Department, Savitribai Phule Pune University

Course Content

5th Jan

9.00 to 9.30 Registration

9.30 to 11 Inaugural lecture – Dr. S.P. Modak Prof and Head Botany and Zoology Depts (retd.), SPPU, Pune

Tea

11.30 to 1 Overview - Why do phylogenetic analysis, how does one do phylogenetic analysis, which gene / protein sequences? - Dr. Urmila Kulkarni-Kale, Bioinformatics Centre, SPPU, Pune.

2 to 6.30 Hands on session - Data bases for retrieving sequences / DNA extraction, PCR, primer design – Dr. A.B. Nadaf / Dr. Vitthal Barvkar, Botany Department, SPPU, Pune.

6th Jan

9.00 to 10.30 Basic concepts in phylogeny, Phenetics versus Cladistics - Dr. Ritesh Choudhary, ARI Pune.

Tea

11.00 to 12.30 Multiple sequence alignments, base / amino acid substitution models – Dr. Urmila Kulkarni-Kale, Bioinformatics Centre, SPPU, Pune.

1.30 to 6 Hands on session – Multiple sequence alignments, CLUSTAL W, MUSCLE – Dr. Pandurang Kolekar, Bioinformatics Centre, SPPU, Pune.

7th Jan

9.00 to 10.00 Reconstruction of phylogenetic trees – Distance based methods – Dr. Sujata Bhargava, Botany Department, SPPU, Pune.

10.00 to 11.30 Reconstruction of phylogenetic trees – Character based methods – Dr. Sunitha Manjari, CDAC, Pune.

Tea

12.00 to 1.30 Morphology versus molecules in phylogenetic analysis – Dr. Vinita Gowda, IISER Bhopal.

2.30 to 6.30 Hands-on session - Software used for phylogenetic reconstruction – Ajith, IISER Bhopal, Sunitha Manjari, CDAC, Pune.

8th Jan

9.00 to 10.00 DNA barcoding – Dr. Narendra Kadoo, NCL, Pune.

10.00 to 11.30 Statistical support for phylogenetic analysis – Dr. Mohan Kale, Statistics Dept, SPPU, Pune.

Tea

12.00 to 1.30 Assembly and alignment-free method of phylogeny reconstruction using NGS data – Dr. Dhiraj Dhotre, NCCS, Pune.

2.30 to 5.30 Hands-on session – Phylogeny reconstruction using NGS data – Dr. Dhiraj Dhotre, NCCS, Pune.

5.30 to 6 Concluding session.