

Agriculture & Allied  
Colleges , Loni

January to March, 2017  
Volume 1, Issue 1



Founder Father



College of Agriculture

## Pravara Krishi Vahini

### DBT, NEW DELHI SPONSORED NATIONAL SEMINAR

College of Agricultural Biotechnology, Loni organized National seminar on “Current Advances and Challenges in Agricultural Biotechnology” scheduled on during 7 & 8 March, 2017 with the sponsorship of Department of Biotechnology, Ministry of Science and Technology, Government of India, New Delhi.



For the inaugural function the Dr. A. S. Jadhav, I/C SLBT, MPKV, Rahuri was present as a chief guest and the function was presided over by Shri. Bansi Patil Tambe, Director, PRES, Pravaranagar. The seminar has provided the platform for more than 300 delegates, researchers & students to interact with the resource persons. The subthemes of the seminar which as further discussed by the resource persons were Transgenic crops & Global status (Dr. A. S. Jadhav), Crop improvement (Dr. A. A. Kale), Plant breeding (Dr. Vivek Chimote), Climate Change & Agriculture (Dr. R. M. Naik), Science and Communication (Dr. Madhu K. P.), Biotech crops myths & truths (Shri. Ajit Narde, Dr. Punnet Luthra, Monsanto, Dr. Pankaj Bihani, Mahyco). Seminar also provided delegates opportunity to showcase their research through the scientific model presentation & poster presentation.

### STUDENT FARMER FORUM

Our Pravara Agricultural and Allied Faculties established Students-Farmers forum on 28 January 2017. The main objective to established this forum is to gain actual practical knowledge of farmers. Progressive farmers are invited to guide the students as well as to discuss their experience with students.



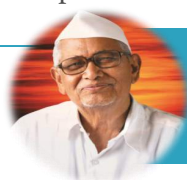
College of Agril. Biotechnology



College of Agri. Business Management

### SPECIAL POINTS OF INTEREST

- Radio talk on All India Radio, Ahmednagar by Dr. Bhaskar Gaikwad & College staff on Admission & Career opportunities in Agriculture.
- Student counsel meeting for planning of the activities and receiving the suggestion & feedback from students.
- LaTeX workshop by CABT, Loni in collaboration with Dept. of IT, PREC, Loni
- Inter-class sports, project, poster, scientific model presentation events on the occasion of annual prize distribution function
- Food stall, Debate, Elocution, Rangoli, Mehandi, Painting, Best student & profession dressing competitions.
- Selling counter to the students for farm produce & dairy products .



This issue is dedicated to  
Late Padmabhusan Dr. Balasaheb Vikhe Patil,  
Founder Chairman, PRES, Pravaranagar

### NSS (NATIONAL SERVICE SCHEME)

College of Agricultural Biotechnology, College of Agriculture and College Agricultural Business Management organized special winter camp at Nandurkhi Bk. Tal. Rahata. In all 75 students are participated in the camp. In this camp students performed various activities such as cleanliness of school at village, Tree plantation, Yoga, arranged rally on health, hygienes education ect. NSS Students celebrated various programmes like Savitribai phule jayanti, Shivjayanti, Women's day etc.



### STUDENTS—FARMERS FORUM

The youth is moving towards the cities for jobs and ignoring the agriculture & farming. To initiate the farmers spirit in the students, Agril. & Allied Colleges started the Student & Farmers Forum. The student with the help of the teaching & farm staff started the vegetable production unit and providing the vegetable to the PRES sister institute mess and overproduces is being sell at the Loni Weekly Market. The objective of this activity are; To provide common platform for student to interact with the farmers. To organize the guest lectures of the successful farmers. To initiate the farmer's potential within students by involving them in the cycle of cultivation, harvesting & marketing.



- Two student of College of Agriculture Mr. Avinash Ohol and Ms. Nikita Dange have been selected in State level Social-Cultural Competition "Utkarsh" 2016 for interuniversity competition under NSS scheme held at pune.
- College of Agricultural Biotechnology, Loni, First year students group received first prize in model building competition & final year students group received second prize in poster presentation competition held during national seminar.

### NEW INITIATIVES

#### KALAM IGNITED MIND BRIGADE & KALAM LIBRARY (COLLECTION OF MOTIVATIONAL BOOKS WRITTEN BY DR. KALAM & OTHER NOVELS)

#### Kalam Library:

To ignite the students learning and thinking abilities through nonacademic reading by providing access to the Dr. A. P. J. Abdul Kalam's books and other **best seller novels**.

#### Kalam Ignited Mind Brigade

To ignite the science student about social responsibilities. To provide opportunity to the student to interact with the society, farmers for getting feedback for research. To spread awareness among the society about new advancement in agriculture.

#### NPTEL Collaboration for the E-Learning.

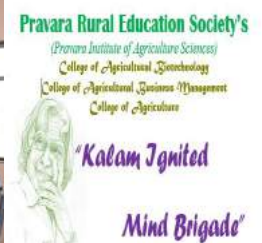
To provide e-learning platform to the students and help in getting IIT certificates for online course. Signed the local chapter with the National Programme on Technology Enhanced Learning(NPTEL), A Project funded by MHRD, Govt. of India. 45 student has registered for the three online courses on Speaking Effectively, Enhancing Soft Skills & Personality & Introduction to Proteomics.

#### Learn to Read & Read to Learn

Near about more than 500 news articles have been collected till date from the Marathi & English daily newspaper (Agrowon, Sakal, Loksatta, Times of India etc.). To collect the scientific & agriculture related news from the daily newspapers. Displaying the news articles on the notice board. To encourage student to get aware about social problems to be solved through the scientific research.



Inauguration of the Dr. A. P. J. Kalam Library by the hands of Shri. Bansi Patil Tambe



## HANDS ON TRAINING (RESEARCH PROJECT)

The College of Agricultural Biotechnology students on completion of 7th semester have to undertake Hands on Training programme (4 months) with 20 credits. For the award 1000 marks, the students complete their research projects in the College under Dept. of Plant Biotechnology, Dept. of Post-Harvest & Food Biotechnology & Dept. of Biochemistry & Molecular Biology or apply to various govt. / semigovt. / private undertaking institutions, where they can complete their project work under renowned scientists, guides and professional and the training report is presented before a university nominated committee at the end of the semester. In the current academic year students are working in various research/ training institutes for completion of their research projects viz. Scientific Research Center, Mulund(East), Mumbai; Beej Sheetal Foundation, Jalna; Vasantdada Sugar Institute Manjari, Pune; IshVed Biotech Pvt. Ltd., Buldhana; Pravara Institute of Medical Sciences, Loni (DU); TechNext Laboratories, Pune etc.



## HORTICULTURE, AROMATIC AND MEDICINAL PLANTS BLOCK AND NURSERY UNIT

College of Agricultural Biotechnology has established the Medicinal Plant Garden under the guidance of the Dr. Bhaskar Gaikwad. The Medicinal Plant Garden would help student to learn the cultivation & harvesting practices. The student has planted Kadhipatta, Gavi Chaha, Shatavari, Korphad, Pudina, Vekhand, Vala, Safed Musali, Menthal & Gulvel. In addition to the Medicinal and aromatic plants the Mother Plants of Horticulture, were developed in 3 Acres; Guava and Chiku commercial cultivation in 4 Acres; Development of Poly house and Nursery is under process.

## EXPERIENTIAL LEARNING MODULE

The college of Agriculture provides facility of conducting experimental learning modules on 'Soil and Water Clinic', 'Milk & Milk Products', 'Vegetable production', 'Mass Production of Bio-agents and Bio-pesticides', 'Production of Bio-fertilizers', 'Seed Production' and 'Plant Tissue Culture Technique'. Which will be helpful to the students to develop their entrepreneurial skill so they become job provider rather than job seeker.

Under the experimental learning programme students of final year eighth semester get training on different aspects of agriculture. They collect and tested soil and water samples of farmers. The value added milk products were prepared by the student and sold to staff and students. In vegetable production they produce various vegetables like Cabbage, Cauliflower, Brinjal, Chill and leafy vegetables and sold by establishing stall of vegetables. Also they produced various bio-agents and bio-pesticides, students are working on mass production of HaNPV, SLNPV, preparation of Trichocard, Mass production of *Beauveria bassiana*, *Metarrhizium anisopilae*, *Verticillium lecanii*. By using various mass production technique like PDB, PDYB, Crushed sorghum grain, Coconut water and Molasses by which mass production is done with powder and liquid formulations and sold by students to the local farmers. Students produced Bio-fertilizers as ecofriendly fertilizer also they work in isolation of various spp. of Rhizobium, Azotobacter, Tricoderma etc. They undertaken wheat seed production programme and prepared the tissue cultural samplings, students are working on experiential module of Plant Tissue Culture in Agricultural Botany section to investigate the effect of different concentrations of growth hormones BAP and NAA on virus free plant regeneration, shoot multiplication and different concentrations of IBA and IAA on *in vitro* root formation of Banana and Sugarcane .



## INDUSTRIAL, EDUCATIONAL, EXPOSURE & FIELD VISITS

### College of Agricultural Biotechnology, Loni

1. Crop science Visit to vegetable farm for observation of diseases and pest
2. Crop science Visit to Vishva hitech nursery at Virgaon, Akole
3. Plant Biotech Visit to krishivishwa biotech at Virgaon, Akole
4. Crop science Mahale Farm Pachegaon Tal. Newasa
5. Crop science Visit to High-tech floriculture Shirasgaon Tal. Shrirampur
6. Educational Tour, VIII<sup>th</sup> semester, Visit to dapoli university, Murud, Janjira, Kashid, Harihareshwr, Karla caves, Mahad, Kolhapur

### College of Agriculture, Loni

1. Department of Soil Science & Agril. Chemistry Organic Farm at Pimpriloukhi Tal. Sangamner, Soil Testing Lab, Shreedatta Agri. Clinic and Agri. Business Centre, Rahuri Factory & Bhand Vermi Composting Unit at Dahad kd.
2. Department of Animal Science & Dairy Science Datir Goat Farm, at Pimpriloukhi Tal. Sangamner, Satral Dairy at Satral Tal. Rahuri, Saikrupa Dairy Farm, Akole & Silage, Hydroponics & Azolla unit at Nimgavpaga.
3. Department of Horticulture Lakhi bagh Medicinal, Aromatic & Plantation crops, Fruit Processing Unit & Winery Project at Dr. BSKKV Dapoli, & Vishva High-tech Nursery, Virgaon Tal. Akole.
4. Department of Agronomy G.M. Seeds at Devlalipravara Tal. Rahuri.
5. Department of Entomology Krishvishva Biotech Virgaon Tal. Akole.
6. Department of Plant Pathology Krishvishva Biotech Virgaon Tal. Akole, Avishkar Biofarm at Pravaranagar & Biofertilizer Unit at KVK Babhaleshwar.
7. Department of Agril. Economics Farmers Producers Company at Pimpriloukhi Tal. Sangamner.
8. Educational Tour VI<sup>th</sup> semester Dapoli- Lakhi Baugh, Wine Processing, Fruit Processing, Mango nursery, Landscape garden model Mahabaleswar- Mapro, Strawberry Fruit Processing, Chocoberry Fruit Processing.
9. Educational Tour IV<sup>th</sup> semester Nashik- Sula wines, Sahayadri Farm, Saputara- Tribble Museum, Fish Museum, Adventure park Dahanu-Kosbad hill KVK.

### College of Agriculture Business Management, Loni

1. Visit to KVK Babhaleshwar.
2. Fruit & Vegetable processing unit Khadkewake Tal. Rahata.
3. Educational Tour, IV<sup>th</sup> Semester Nashik- Sula wines, Sahayadri Farm, Saputara- Tribble Museum, Fish Museum, Adventure park, Dahanu-Kosbad hill KVK.

## FACULTY DEVELOPMENT

- ◆ Prof. Ghorpade B. B. has been selected for the ICAR, New Delhi sponsored 21 days training on "Advance Omics Techniques & Tools for Crop Improvement" at Center for advanced faculty training, Dept. of Biochemistry, Indian Agriculture Research Institute, New Delhi.
- ◆ Prof. Umbarkar R. B. attended 21 days training on Residual Management in Paddy, PAU, Ludhiana.
- ◆ Prof. Gaikar P. S. attended 21 days training on Recent innovative Techniques in Education at NAARM, Hyderabad.
- ◆ Dr. Tambe D. R., Prof. Jori D. B., Prof. Kshirsagar A. S. & Prof. Ghadge A. G. attended Two Day National Seminar on 'Role of IQAC in Enhancing Quality Education and Research' organized by IQAC, Arts, Science & Commerce College, Kolhar.
- ◆ Dr. Gondhkar S. S. & Prof. Jahdav R. M. attended a Two day State Level Seminar on "Problems & Prospects of Co-operative sector" organized by Department of Commerce, Arts, Commerce & Science College, Ashvi.
- ◆ Prof. Shelke M. R. Prof. Fargade S. A. Prof. Rote Y. N. attended UGC Sponsored Two day National Seminar on "Emerging Trends in Chemical Sciences" on the organized by Department of Chemistry, PVP College of Arts, Science & Commerce.
- ◆ Prof. Pulate S. L. attended Two day state level seminar on "Social Movements of Maharashtra" organized by Department of Political Science, Arts, Commerce & Science College, Satral.
- ◆ Prof. Gaikar P. S. attended One day State level seminar on "Computer Oriented Mathematical Techniques" Organized by Department of Mathematics & Computer Science. Padmashri Vikhe Patil College of Arts, Science & Commerce, Pravaranagar.
- ◆ Prof. Autade R. H. & Prof. Rote Y. N. attended One day seminar on "Recent Trends in Biosimilars & Cosmeceuticals" organized by College of Pharmacy (D.Pharm), Chincholi.
- ◆ Prof. Gadhe S. K. & Prof. Bothra S. D. attended "The Recent Advances in Therapeutic Equivalence Evaluation and Drug Approval process in India" organized by Pravara Rural College of Pharmacy, Pravaranagar.
- ◆ Prof. Savant A. R., Prof. Fargade S. A., Dr. Kedari V. C. & Prof. Labade G. B. attended Two day State level seminar on "New Approaches in Herbal Drug Standardization" organized by Pravara Rural Education Society's Pravara Rural College of Pharmacy, Pravaranagar.
- ◆ Dr. Bhaskar Gaikwad, Mr. Autade R. H., Dr. Kedari V. C., Mr. Dale N. S., Mr. Umbarkar R. B., Dr. Gondkar S. S. & Mr. Kharde S. A. attended Improving Quality of academics, personality, ethics, social responsibility and research organized by Pravara Rural Engineering College Loni.

### - Editorial Board -

**Chairman:** Dr. Bhaskar Gaikwad

**Editor-in-Chief:** Prof. Autade R. H.

**Co-Editors:** Prof. Pulate S. L., Prof. Abhang P. B. & Prof. Dighe P. K.

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**Agriculture & Allied Colleges**  
ITI Campus, Chandrapur Road  
Tal; Rahta, Dist. Ahmednagar,  
Maharashtra, India.

Phone: 02422-272794

Fax: 02422-272792

E-mail:

pravaraacbt@gmail.com

pravararacoa@gmail.com

pravaraacbm2011@gmail.com

Website:

[www.pravaraagribiotech.org.in](http://www.pravaraagribiotech.org.in)

Facebook:

[www.facebook.com/cabt.loni](http://www.facebook.com/cabt.loni)

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