



# AAU

## NEWSLETTER

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### Message

Since the ages, fermented foods have been a vital part of daily diet of people all over the world due to of their nutritional facts and health benefits. Fermented functional foods are rich in probiotic bacteria and by consuming fermented foods, overall human intestinal flora and gut microbiome increases and digestive system get enriched with immune system improvement ultimately. Such food can also help to restore the balance of friendly bacteria in gut and may mitigate digestive problems. Evidences suggests that, probiotics can reduce uncomfortable symptoms of many common digestive disorders.



The research interests in probiotics, symbiotics worldwide has grown several folds since their introduction to minimize some common human diseases. There is an abundant opportunity available for food scientists to explore the Indian fermented foods. Looking to the increasing consumer demand and its health aspects AAU has started working on fermented foods since late 1980's and has now carryout whole genome sequencing of important probiotic culture, *Lactobacillus helveticus*. AAU has a state of art facilities for fermented food product developments with supporting departments like Food Business Incubator, College of Food Processing & Bio Energy, Bakery School and *Anubhav* Dairy.

I am happy to enlighten that AAU served as a global platform by hosting 9<sup>th</sup> International Conference on "Fermented Foods, Health Status and Social Well-being" for scientists and engineers working in the field of food and allied sciences during 13-14 December, in association with Swedish South Asian Network on Fermented Foods (SASNET-FF); Lund University; Sweden; Copenhagen University, Denmark; Probiotic Association of India; Gut Microbiota and Probiotic Science Foundation (India); Indian Dairy Association, Gujarat State Chapter (India); Dr. Verghese Kurien Centre of Excellence, IRMA, India.

I can say, Indian heritage of fermented and probiotic foods are really essential for wellbeing of mankind on the Glob.

(R.V.Vyas)

## SUBHASH PALEKAR NATURAL FARMING TRAINING CUM SHIBIR



A 7 days Subhash Palekar Natural Farming (SPNF) Training cum Shibir Programme was organized under the guidance of the Department of Agriculture, Farmers' Welfare and Co-operation in collaboration with ATMA and Anand Agricultural University, Anand at Vadtal Swaminarayan Temple, Vadtal, Ta. Nadiad, Dist. Kheda from 5 December 2019 to 11 December 2019. The programme was inaugurated by the Hon. Governors of Gujarat Shri Acharya Devvratji. In this programme, Hon. Governors of Gujarat, Hon. Chief Minister of Gujarat, Shri Vijaybhai Rupani, the originator of SPNF farming Shri Subhash Palekarji, Officials from state Government, Scientists from Anand Agricultural University, Official from Agricultural Technology and Management Agency (ATMA) and more than 5000 farmers from different District of Gujarat were remained present. In this programme, Hon. Governors of Gujarat, Shri Acharya Devvratji highlighted the importance of SPNF training. He also narrated various examples of farmers of Himachal Pradesh and Andhra Pradesh who adopted SPNF model of farming and change their life. Hon. Chief Minister of Gujarat, Shri Vijaybhai Rupani pinpointed out the efforts carried out by Government of Gujarat to encourage SPNF and motivated the farmers to step out towards SPNF and improve their health as well as their family. He also urged that, farmers of Gujarat make the state as "Role model" in India by adopting Subhash Palekar Natural Farming. The entire programme was ended with a great success.

## INTERNATIONAL CONFERENCE ON FERMENTED FOOD, HEALTH STATUS AND SOCIAL WELL BEING

9<sup>th</sup> International conference on Fermented Foods, Health Status and Social well-being organized by Swedish South Asian Network on Fermented Foods (SASNET-FF) in association with SMC College of Dairy Science, Anand Agricultural University, (India).



## STATE LEVEL CONVENTION ON 'DOUBLING FARMERS' INCOME THROUGH RURAL PROSPERITY AND RESOURCE MANAGEMENT'



Two days 2<sup>nd</sup> state level convention on "Doubling Farmers' Income through Rural Prosperity and Resource Management" was organized by Agrivision, Gujarat in collaboration with Vidhyarthi Vikas Nidhi Trust, Ahmedabad and Anand Agricultural University, Anand during October 12-13, 2019 at the B. A. College of Agriculture, Anand Agricultural University, Anand.

Dr. M. V. Patel, Principal & Dean, B.A. College of Agriculture acted as the convener and Dr. K. D. Mevada acted as the co-convenor for this programme. Total 450 students and 70 faculty members from five universities of Gujarat had participated and presented oral as well as poster presentations on five different themes. From every theme best two oral and three poster presenters were felicitated by the prize and certificates. The live demonstration of drone and its use in the field of agriculture was also executed in front of all the participants. Total 88 lead papers and abstracts in form of Souvenir book were published.



## STATE LEVEL SEMINAR ON 'KRUSHI ANE BAGAYATI PAKOMA PRAVARTMAN PAK SAMRAKSHANNA PRASHNO ANE NIRAKARAN'



A State Level Seminar on 'Krushu Ane Bagayati Pakoma Pravartman Pak Samrakshanna Prashno Ane Nirakaran' was organized jointly by the Plant Protection Association of Gujarat (PPAG), Gujarat; Horticulture Mission, Department of Horticulture, GoG, Gandhinagar and Anand Agricultural University, on 8 November, 2019 at AAU, Anand. President of the function, Dr. R. V. Vyas, Hon. Vice Chancellor, AAU, and Dr. R. K. Patel, Hon. Vice Chancellor, SDAU, S. K. Nagar and Dr. B. R. Shah, Hon. Vice Chancellor, Gujarat Organic Agricultural University, were remained present as the Chief guest and the guest of honour, respectively. Dr. N. M. Gohel and Dr. A. B. Brahmbhatt acted as an Organizing Secretary and Zonal Coordinator (PPAG), respectively.



## WORKSHOP ON ENERGY CONSERVATION AWARENESS

A One-day workshop on 'Energy Conservation Awareness' was organized jointly by the College of Agriculture, AAU, Vaso and Gujarat Energy Development Agency, Gandhinagar on 14 November, 2019. The inaugural session of the workshop was presided by Dr. M. V. Patel, Dean, Faculty of Agriculture; Er. Kaushal Shah, Head (Energy Management) and GEDA Energy Consultant; Saket Projects Limited, Ahmedabad, Dr. Y. M. Shukla, Principal, College of Agriculture, AAU, Vaso

and Dr. V. J. Patel, Principal, SMC Polytechnic in Agriculture, AAU, Anand and faculty members of the college were remained present.



The programme was initiated with floral welcome and a prayer followed by lighting of lamp by the delegates. Dr. Y. M. Shukla welcomed the Chief guest & participants and briefed about the need of the energy conservation awareness workshop. He also expressed the importance of energy conservation and adoption of renewable energy sources in order to strengthen the economy of the country. Dr. M. V. Patel in his inaugural address, pinpointed the importance of energy in our daily life as well as in agriculture profession. He emphasized to reduce greenhouse gases emissions to combat climate change and use of minimum input and energy. He also suggested to utilize resource conservation techniques in order to attain sustainable growth. Dr. Gautam Patel, Training Coordinator and Head, Department of Agricultural Engineering, College of Agriculture, AAU, Vaso proposed a vote of thanks. The aim of the workshop was to aware the students to utilize their skills for increasing Energy Efficiency and Productivity.

This workshop included theory and practical sessions which covered all important topics starting from the global energy & environment a scenario, efficient utilization of energy in industries, energy efficient practices & technologies and about renewable energy technologies types and importance.

## VISIT OF QUINQUENNIAL REVIEW TEAM





Quinquennial Review Team (QRT) visited, Krishi Vigyan Kendra, AAU, Anand on 25 November, 2019 to review the progress and achievements of last 8 years (2011-12 to 2018-19) including impact, convergence/linkages, large scale adoption, innovative extension approaches, innovative extension methodologies, skill development, external funded projects, capacity building of farmers, rural youths, extension workers, revolving fund, etc. The QRT Team appreciated the work done by KVK, AAU, Anand.

### DATE PALM TISSUE CULTURE TECHNOLOGY OF AAU : A FIRST SUCCESS STORY IN INDIA



Center for Advanced Research in Plant Tissue Culture of Anand Agricultural University is known as a pioneer in Date palm Tissue Culture technology in the country. Tissue culture of elite trees in Date palm has paved way for commercial cultivation of indigenous genotypes, where seed and offshoot propagation were insufficient. It has contributed immensely for popularizing date palm as an important fruit crop for farmers of arid and semi arid regions of the state and country.

Due to its cross-pollinated nature, date seeds are highly heterogeneous and heterozygous which give rise to 50 per cent unproductive male trees and 50 per cent female trees with a poor or varying productivity in terms of both yield and quality. Date palm cultivation is the only means of livelihood for majority of farmers belonging to Kutchh region of the state and other part of the country. Looking to aforesaid limitations in applying traditional and non-traditional approaches, mass multiplication of superior quality date palm is the need of time to increase the socio-economic status of the farmers and date growers.

Centre for Advanced Research in Plant Tissue Culture has produced nearly 5000 plants of local elite genotype and



popular variety Barhee and distributed to farmers of different regions. AAU is the major partner in multi institutional networking project on date palm funded by the Indian Council of Agricultural Research (ICAR) in which four institutes are involved viz; Anand Agricultural University, Anand, Main Date Palm Research Station, Mundra, ICAR-Central Arid Zone Research Institute (CAZRI), Jodhpur and ICAR-Central Institute for Arid Horticulture (CIAH), Bikaner. Under this project AAU has supplied 350 plants to CIAH, Bikaner, 160 plants to CAZRI, Jodhpur and 160 plants to MDPRS, Mundra. All the centers have shown promising performance of tissue culture date palm provided by AAU.

This centre has also imparted training to scientist of different institutes of India on date palm tissue culture. As a part of PPP mode AAU has commercialized date palm tissue culture technology and sold the technology to two private companies, Vasundhara Agri Biotech, Rajkot and Orchem Industries, Hyderabad. Anand Agricultural University has also done a MoU with Junagadh Agricultural University for transfer of tissue culture date palm technology and the training given to the scientist from JAU as a part of MoU. Field and in vitro gene bank of various promising elite trees is also maintained for further utilization.

### DISTINGUISHED VISITORS

- ♦ Ms. Balde Fatoumata, Hon. Ambassador, Republic of Guinea, Africa visited AAU, Anand on 08 November, 2019. She had an interaction meeting with Dr. R. V. Vyas, Hon. Vice Chancellor, AAU, Anand. Ms. Balde Fatoumata and Dr. R. K. Patel, Hon. Vice Chancellor, SDAU,





Sardarkrushinagar visited the Regional Research Station, College of FPT & BE, Biofertilizer Unit, Biocontrol Research Project and Sardar

Patel Agricultural Educational Museum of Anand Agricultural University and appreciated the work carried out by the different units.

- ♦ A team of scientists / faculty of Agriculture University, Kota visited AAU, Anand on 26-27 December, 2019. They visited Medicinal and Aromatic Plants Research Station, Sardar Patel Agricultural Educational Museum, Biofertilizer Unit, Tissue Culture Laboratory, Pesticide Residue Laboratory, College of FPT & BE and Horticulture Farm of Anand Agricultural University.

- ♦ Dr. B. R. Shah, Hon. Vice Chancellor, Gujarat Organic Agricultural University visited Biofertilizer Project on 4 October, 2019 and expressed his best wishes for the project.



### CELEBRATION OF AGRICULTURE EDUCATION DAY

The Government of India decided to celebrate 3<sup>rd</sup> December, 2019 as 'Agriculture Education Day' which is the Birthday of first President of Independent India, Bharat Ratna, Dr. Rajendra Prasad. On this occasion two events viz., special guest lecture on "Risk Management and Surveillance: Fundamental and Technical Analysis in Commodity Derivatives Market" and debate on 'Role of Agriculture Education in Improving in Farmers Welfare in India' were organized at International Agribusiness Management Institute, AAU, Anand. All students and faculty of IABMI as well as newly recruited NAHEP-CAAST staff members participated in this programme. The theme of guest lecture was on the broad area of commodity markets which is an important part of course curriculum for masters and Ph.D. programmes. This is also a

vital part of the basic objectives of NAHEP-CAAST project entitled 'Establishing Centre for Agricultural Market Intelligence at

AAU, Anand' which is jointly funded by ICAR-World Bank with a total out lay of ₹ 16.89 crores.

In the second event, debate on 'Role of Agriculture Education in Improving Farmers Welfare in India' was organized in which six students and three staff members presented their views.

Dr. Y. C. Zala, Principal & Dean, IABMI expressed concern that agriculture provides ample opportunity and good source of income, if modern technologies and marketing system, which are available, are used.

The programme ended with a vote of thanks by Dr. R. S. Pundir, Professor, IABMI.



### SPECIAL LECTURE ON CROP PHYSIOLOGY

Special guest Lecture of crop physiology was arranged on 20 November 2019.

Dr. A. D. Patel, Retd. Research Scientist, Regional Research



Station, AAU, Anand educated students about the basic principles of crop physiology, plant processes responsible for the growth, development and production of economic yield by crop plants. He very well explained about basics of crop physiology like photosynthesis, respiration, nutrient utilization, seed growth etc. He also briefed about the use and function of



various plant growth regulator in different field crops. All students with staff member of our Polytechnic actively participated and benefited with expert knowledge.

## CELEBRATION OF SHARAD PURNIMA



Sheth M. C. Polytechnic in Agriculture, AAU, Anand celebrated Sharad Purnima on 13 October 2019. Dr. V. J. Patel, Principal, all staff members and

students of the polytechnic worshipped goddess Laxmi. Mr. P. S. Panchal, Assistant Professor explained the religious and scientific importance of this festival. All the students joyfully enjoyed the religious occasion by performing Garba. The celebration was ended by distribution of *prasad* in the form of *Dudh Poha* as part of Sharad Purnima celebration.

## CELEBRATION OF MAHILA KRISHI DIVAS

KVK, AAU, Anand Celebrated 'Mahila Krishi Divas' on 15 October 2019 at Gada village of Anand District in which more than 30 farm women participated. Dr. Shrikant B. Katole, Senior Scientist & Head (I/C), welcomed all farm women and discussed the role of women in agriculture. He insisted farm woman to play a key role in value addition in agriculture and animal husbandry. Mrs. Ilaben Patel, Progressive farm woman from village Gada narrated her success story in animal husbandry.



## CELEBRATION OF KISAN DIVAS

KVK, AAU, Anand organized celebrated 'Kisan Divas' to celebrate the birthday of 15<sup>th</sup> Prime Minister of India Shri Chaudhary Charan Singh on 23 December 2019 at KVK campus under *Swachhata Pakhwada*. Total 25 farm women from different villages actively participated in the project. Dr. Shrikant Katole, Senior Scientist & Head (I/C), informed the

farmers about the role of Shri Chaudhary Charan Singh for the welfare and development of farmers in India.



## SPECIAL LECTURE ON FUNDAMENTALS OF PLANT BREEDING



The guest lecture on 'Fundamentals of Plant Breeding' was arranged on 9 November 2019 at Sheth M. C. Polytechnic in Agriculture. Dr. D. A. Patel, Professor & Head, Dept. of Genetics and Plant Breeding,

BACA, AAU, Anand informed briefly about the different methods of plant breeding, genetics, use of biotechnology in crop improvement and important points to keep in mind during breeding programme. He also explained about selection of quality trait in breeding programme, genetically modified crops and their role in present agriculture system. Furthermore, he also appealed to the students to lead in this subject for the betterment of farmers. Dr. V. J. Patel, Dr. J. I. Nanavati, Mr. P. S. Panchal and Mr. Ramesh Chaudhary remained present during the programme. Total 94 students of the Polytechnic got benefited by this special lecture.



## THALASSEMIA SCREENING TEST AND COUNSELING

- A programme on Thalassemia awareness and thalassemia test of students was organized by the National Service Scheme of Sheth M. C. Polytechnic in Agriculture, AAU, Anand on 11 October 2019. Dr. V. J. Patel, Dr. J. I. Nanavati, NSS Programme Officer, Mr. Ajay Parmar from





Indian Red Cross Society, Gujarat State Branch, Anand and his team remained present. Mr. Ajay Parmar provided useful information

on various effects of Thalassemia in future social life to the students and he also educated the students regarding harmful effects on health, family and management aspects of thalassemia major. A video prepared by the Indian Red Cross Society, Gujarat state branch, Ahmedabad regarding 'Thalassemia Awareness' was also shown to the students before test. Total 40 students of the polytechnic were tested for Thalassemia during this programme.



- Thalassemia is a blood disorder passed down through families (inherited) in which the body makes an abnormal form or inadequate amount of haemoglobin. The disorder results in large numbers of red blood cells



being destroyed, which leads to anemia. In this context, the Thalassemia Screening Test and Counseling was also organized at College of Agriculture & Polytechnic in Agriculture, AAU, Vaso under NSS Programme with the help of Indian Redcross Society, Gujarat State Branch, Ahmedabad on 16 November 2019. The programme started with the counseling of



students with brief introduction and a short movie shown by Shri Bhaveshbhai Solanki, the representative of Red Cross Society. Total 96 blood samples were drawn from the first year students of College of Agriculture and Polytechnic in Agriculture, AAU, Vaso. At the end, the students of Vaso Campus make a commitment to bring community awareness regarding the importance of Thalassemia Test.

### SEED DISTRIBUTION PROGRAMME

Seed distribution of Wheat (Var. GW-496) and Gram (Var. GJG-3) was organized on 5 & 6 November 2019 under the SARDAR SAROVAR PROJECT at Paddy Research Station, Model Farm, AAU, Dabhoi, Dist. Vadodara. The distribution programme was arranged at different villages of Dabhoi and Bodeli Taluka of Chhota Udepur District viz., *Nada, Moti Amrol, Bhesavi, Manjrol, Vanadra* and *Raval* by Shri R. L. Chotaliya, Asstt. Research Scientist and Dr. A. R. Patel, Senior Research Fellow. Total 40 farmers got benefitted under this programme.



### A GUEST LECTURE ON 'ECLIPSES CELESTIAL SHADOW PLAY'

A guest lecture on 'Eclipses Celestial Shadow Play' was delivered by Dr. Brijmohan Thakore from the Department of Physics, S. P. University, V. V. Nagar at Vaso campus on 15 November 2019. All faculty members and students of both the colleges of Vaso campus participated in this interactive session which was delivered with the use of audio-visual aids. The lecture was organized under the guidance of Dr. Y. M. Shukla, Principal, College of Agriculture, AAU, Vaso.



### FARMERS TRAINING PROGRAMME

One day farmers training programme on 'Awareness regarding the safe and judicious use of pesticides' was organised by the AINP on Pesticide Residues, AAU, Anand on 18 December





2019 at Sardar Patel Agricultural Educational Museum, AAU, Anand. Dr. P. G. Shah, Residue analyst highlighted on safe and judicious use of pesticides and also distributed kits to the farmers which contained Battery Operated Pump, Safety Boot, 2Ply Mask Blue Tie, Face Mask Active Protection, Glows and

U.V. Safety Goggles. Dr. K. D. Parmar, Dr. R. L. Kalsariya and Shri N. R. Chauhan also gave information on balanced use of pesticides and insect pest management on different crops.



### TRAINING ON INTEGRATED PEST MANAGEMENT

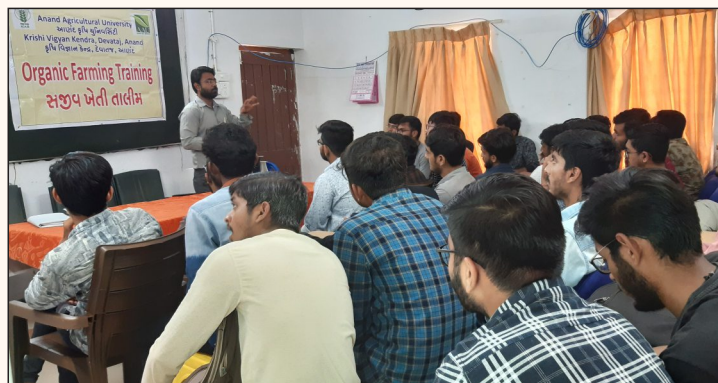
Under the scheme 'Integrated Pest Management' supported by the State Government, 4 IPM trainings were conducted during October to December, 2019 at Department of Entomology, BACA, AAU, Anand. Total 131 farmers from different districts of Gujarat participated in these training programmes.



### TRAINING ON ORGANIC FARMING

Total 2 training programmes on organic farming were organized at KVK, AAU, Anand in which 76 farmers

participated. Dr. Y. C. Lakum Scientist (Agronomy) discussed about the organic farming, various methods and success stories of organic producers. Various lectures on organic farming were delivered during the programmes.



### ICAR SHORT COURSE TRAINING PROGRAMME



10 days ICAR Short Course Training Programme on "Renewable Energy for Environmental Protection and Energy Conservation" has been organized by the Department of Renewable Energy Engineering, College of Agricultural Engineering & Technology, Anand Agricultural University, Godhra during 14 to 23 October, 2019. A total of 17 Assistant Professors from Tamilnadu (1) and Guajrat (16) Attended the training programme.

### COMMODITIES AWARENESS TRAINING



A one day commodities awareness training was organized by Dr. M. D. Patel Regional e-Library, AAU, Anand with collobration of CMIE (Center for Monitoring Indian Economy) on

15 November 2019. The objective of the training was to aware



fresh PG students about commodities database. Mr. Prashant Joshi, Executive - CMIE gave hands on training to 50 students of AAU during the session.

#### CERTIFICATE COURSE ON INTEGRATED NUTRIENT MANAGEMENT FOR INPUT DEALERS

KVK, AAU, Anand organized 15 days residential certificate course for input dealers from 5-21 November 2019 on "Integrated Nutrient Management" (INM) at *Aniket Farmers' Hostel*, AAU, Anand. Total 39 participants from Central Gujarat actively participated in the programme.



#### CERTIFICATE COURSE ON 'FOOD PROCESSING TECHNOLOGY'

A three months certificate course on "Food Processing Technology" was successfully completed on 30/11/2019 and total 17 trainees had accomplished the training programme during the year 2019-20 (Batch-1).

#### ACADEMIC TRAINING PROGRAMME

A Four days training programme on "Food Processing Management" was organized by the College of Food Processing Technology & Bio Energy, AAU, Anand from 17 December, 2019 to 20 December, 2019 for 34 students as a part of their academic training. Dr. S. S. Kapdi, Training In-charge welcomed all the students and illustrated different technologies developed in food processing sector. Different faculty members had delivered lectures on different academic topics related to their course curriculum during the training programme.

#### CALF / HEIFER RALLY ORGANIZED BY REPRODUCTIVE BIOLOGY RESEARCH UNIT

Under the aegis of *Surti Buffalo Breeders Association of Gujarat* project, financed by the Department of Animal Husbandry, Govt. of Gujarat, Gandhinagar. Total 9 'Calf/Heifer rally' (*Tandurast Padi Harifai*) were organized in the villages namely, *Rajodpura, Sat Ordi, Jahngirpura, Bevadpura, Kevalnagar, Chhachhariapura* of Anand District and *Nana Vaga, Sodpur and Maholel* villages of Kheda District.



Total 313 calves /heifers and 598 owners participated enthusiastically. First ranked owners of each village were awarded with certificates and ₹ 3000, ₹ 2000 and ₹ 1000 cash prize respectively (Total cash prize of ₹ 54000/-) Kit bags with 1 kg. Anubhav mineral mixture and reading materials were provided. The programmes were organized under the guidance of Dr. M. N. Brahmabhatt, Principal & Dean, Veterinary College, AAU, Anand. Dr. N. P. Sarvaiya, Research Scientist and Head co-ordinated the programme. In each programme, three technical staff of the college acted as judges and also gave information to buffalo owners regarding conservation, development and scientific managemental practices of *Surti* buffaloes.



#### ORGANIZATION OF VACCINATION CAMP



Department of Veterinary Medicine, College of Veterinary Science & Animal Husbandry, AAU organized a Foot and Mouth Disease (FMD) Vaccination Programme at *Mahelav, Changa* and *Bamroli* Villages of Anand District in collaboration



with Deputy Director of Animal Husbandry, District Panchayat, Anand on 11 October, 2019. Dr. S. K. Raval, Head of the Department, Dr. G.C. Mandali and Dr. D.B. Sadhu guided the students in this programme. All the final year students of B.V.Sc. & A.H., post Graduate Students of Department of Medicine actively participated in the programme. Total 11,652 animals (cattle, buffalo, sheep and goats) were vaccinated against FMD.

## 9<sup>TH</sup> INTER-POLYTECHNIC SPORTS FESTIVAL



9<sup>th</sup> Inter-Polytechnic Sports Festival – 2019 was organized by Polytechnic in Agriculture, AAU, Vaso during 21-22 November 2019. Total 118 contestants from different five Polytechnics of Anand Agricultural University participated in the events like *Volleyball, Kho-Kho, Table-Tennis and Chess*.

This Sports Festival was inaugurated by Dr. R. V. Vyas, Hon. Vice Chancellor, AAU and the Chief guest of the event, Dr. D. H. Patel, the Director of Students' Welfare were remained present. Dr. R. V. Vyas encouraged the participants that how sports can help the students in their overall personality development. He also emphasized the importance of sports in education. Dr. D. H. Patel also inspired the students by narrating that, sports can help in making the mind and body



sound. Dr. Y. M. Shukla, welcomed the dignitaries and students with flower bouquets and encouraged the participants to participate in the sports festival with the sportsman's spirit.



Among various sports events, S.M.C. Polytechnic in Agriculture (Anand) became the winner in *Kho-Kho, Table-Tennis*, and *Chess*. Polytechnic in Agri. Engineering (Dahod) became winner in Volleyball and Polytechnic in Agriculture (Vaso) became runner-up in *Kho-Kho, Table-Tennis* and *Chess*.

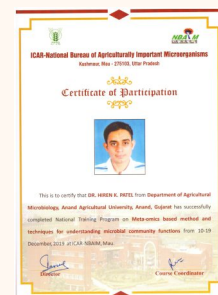
## FIELD TRIP AT MUJKUVA VILLAGE



One day field trip at *Mujkuva* village was arranged by Sheth M. C. Polytechnic in Agriculture, AAU, Anand on 16 November, 2019 under the leadership of Dr. M. V. Dabhi, Asst. Prof. Mr. Ramesh Chaudhry, Agri. Officer and Smt. S. J. Savdhariya, Agri. Officer. The second and third year students of the polytechnic visited solar system under the field condition, Gir-cow milking center, Gobar-gas plant at farmers home at Munjkuvu Village and Sudhan micronutrient plant (Borsad). The students actively participated and gained knowledge for their future endeavor.

## FACULTY NEWS

- Dr. Hiren K. Patel, Assistant Professor, Dept. of Agricultural Microbiology, BACA, AAU participated in ICAR sponsored 10 days national training on 'Meta-Omics based methods and techniques for understanding microbial community functions' from 10 to 19 December 2019 at ICAR-National Bureau of Agriculturally Important Microorganisms, Mau, Uttar Pradesh. He has gone through hands on training on different meta omics





based molecular techniques useful for soil and plant microbiome studies and their application in agriculture.

- ♦ Dr. G. G. Patel, Senior Scientist & Head attended Zonal Review Workshop on Attracting and Retaining Youth in Agriculture (ARYA) Organized by ICAR-ATARI, Pune at KVK, Kolhapur-I on 12 December 2019.
- ♦ Dr. Shrikant B. Katole, Scientist (Animal Science) participated in International Conference on Animal Nutrition 2019 (INCAN 2019) on Nutritional Strategies for Improving Farm Profitability and Clean Animal Production during 17-19 December 2019 organized by the Department of Animal Nutrition, West Bengal University of Animal and Fishery Sciences, K B Sarani, Belgachia, Kolkata, India.

### OUR PRIDE

- ♦ The "i-Khedut" Mobile Applications of Information Technology Center, AAU has won the Award for 'Best Education App' at the Drivers of Digital Awards 2019.



- ♦ Dr. N. M. Gohel, Associate Professor, Department of Plant Pathology, BACA, AAU, Anand has been conferred the 'Young Scientist Award-2019' by the Plant Protection Association of Gujarat (PPAG), Anand. The award was given by Dr. R. V. Vyas, Hon. Vice Chancellor, AAU, Anand during State level seminar on 'Krushi ane Bagayati Pakoma Pravartman Pak Sanrakshan na Prashno ane Nirakaran' jointly organized by the Plant Protection Association of Gujarat (PPAG), Gujarat Horticulture Mission, Department of Horticulture, GoG, Gandhinagar and Anand Agricultural University, Anand on 8 November 2019 at AAU, Anand.



### ACHIEVEMENTS IN INTERNATIONAL CONFERENCE ON FERMENTED FOOD, HEALTH STATUS AND SOCIAL WELL BEING

- ♦ Dr. J. B. Prajapati, Principal & Dean, Dairy Science College, Anand has received an outstanding achievement award for his contribution in probiotics and functional fermented foods.



- ♦ Shivani Chaudhary, Sreeja V. and J. B. Prajapati of Dairy Microbiology Department, Dairy Science College won third prize in the oral presentation of Young Scientist category for their research work entitled 'Evaluation of Antiobesity effect of Finger millet enriched Probiotic Fermented milk product by *in vitro* and *in vivo* methods'.



- ♦ Nasim Vahora, Shivani Patel, Sreeja V., Subrota Hati and J. B. Prajapati of Dairy Microbiology Department, Dairy Science College, AAU, Anand won the second best poster award for their research work entitled 'Antioxidant activity, Lipase inhibitory activity, Antimicrobial activity and SCFA production by Lactic Acid Bacteria'.





- ♦ Subrota Hati, B.K. Mishra, Sujit Das and J. B. Prajapati of Dairy Microbiology Department, Dairy Science College won the First best poster award for their research work entitled 'Production of B-vitamins and short chain fatty acids from yeasts and lactic strains isolated from fermented foods of Garo Tribes, Meghalaya, India'.



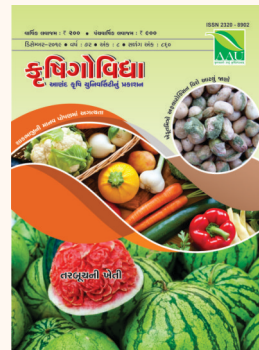
- ♦ Deepti Suman, Nasim Vahora, Sreeja V. and J. B. Prajapati of Dairy Microbiology Department, Dairy Science College, AAU, Anand won the second best poster award for their research worked titled 'Development and functional evaluation of Barley enriched probiotic fermented milk prepared using oxalate degrading Lactic Acid Bacteria'.



- ♦ Dhvany Kinariwala and Subrota Hati of Dairy Microbiology Department, Dairy Science College won the third best poster award for their research work entitled 'Evaluation of Potent Lactobacillus cultures for their effects on Antidiabetic activity and release of peptides in fermented milk (*in vitro* study)'.



## PUBLICATION OF FARM MAGAZINE



The Publication Unit, DoEE, AAU, Anand is publishing the monthly farm magazine 'Krushigoviddya' regularly for the benefit of the farming community since May 1948. There are 14,682 subscribers registered for this multicolored farm magazine upto December 2019.

## RETIREMENTS

### October 2019

- 1 Dr. Anilkumar Chimanlal Sadhu, Research Scientist, RRS, AAU, Anand
- 2 Shri Bipinchandra Gandabhai Patel, Agril. Assistant, Cotton Research Station, AAU, Viramgam
- 3 Shri Rameshbhai Somabhai Vasava, Lab Technician, College of FPT&BE, AAU, Anand
- 4 Shri Arvind Filip Parmar, Mechanic, College of FPT&BE, AAU, Anand
- 5 Shri Poonambhai Chandubhai Vasava, Peon, College of Veterinary Science & AH, AAU, Anand

### December 2019

- 6 Dr. Avinash Madhukarrao Pande, College of Veterinary Science & AH, AAU, Anand
- 7 Dr. Ashokkumar Bapulal Brahmabhatt, Associate Professor, BACA, AAU, Anand
- 8 Smt. Joshfin Kanakrani Manohar Nadar, Head Clerk, Dairy Science College, AAU, Anand
- 9 Shri Rameshbhai Ambalal Patel, Agricultural Supervisor, RRS, AAU, Anand
- 10 Shri Somabhai Ravjibhai Bhoi, Mali, Dairy Science College, AAU, Anand

*Don't let yesterday take up too much of today*

*- Win Rogers*

Book-Post

To

From :  
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Directorate of Extension Education  
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