



Sardar Vallabhbhai Patel University of
Agriculture & Technology, Meerut

2018-19

ANNUAL REPORT

वार्षिक प्रतिवेदन

Registrar

S.V.P. Uni. of Agri. & Tech.
Meerut-250110 (U.P.)

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**SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE
AND TECHNOLOGY, MEERUT-250110 (U.P.) INDIA**
website : <http://svbpmeerut.ac.in>

Annual Report 2018-19

Sardar Vallabhbhai Patel University of Agriculture and Technology,
Meerut-250110, U.P., India

Phone: 0121-2888503, 0121-2888522

Fax : 0121-2888505

Website : www.svbpmeerut.ac.in

Published By:

Prof. R.K. Mittal

Vice-Chancellor

Sardar Vallabhbhai Patel University
of Agriculture and Technology,
Meerut-250110, U.P., India

Compiled and Edited By

Dr R.S.Sengar

Dr V.P.Singh

Dr Harshit Verma

Dr Shalini Gupta

Dr Neelesh Kapoor

Photographs

Mr. V.M. Nautiyal

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Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut

Preface



It is my pleasure to present you the Annual Report of the University for the year 2018-19. The key achievements included in the report would reveal that the academic year has been quite encouraging for making significant progress in the three objectives - education, research and extension of agriculture, set out in our mandate to conduct, promote and coordinate for rural development. We stepped up our efforts to deliver an outstanding learning experience for students while preparing them for their promising future in new ways. The academic year has been an exciting one since a great foundation for several initiatives particularly the starting of the three new colleges and establishment of the new Krishi Vigyan Kendra, was laid. Besides great efforts made in teaching and research that led to our students getting good placement, the University has

satisfied the technological needs of the farming community through seed production, awareness creation using ICT such as mobiles, whatsapp, radio and TV talks, training, fairs/Kisan Melas, demonstrations, on-farm trials, farmers visits etc. to increase their income and livelihood. Attaining the 15th rank in the All India Agricultural Universities Ranking for 2018 conducted by the Indian Council of Agricultural Research (ICAR), New Delhi speaks about the University's progress as well for which I would like to congratulate all teachers, students, policy planners and executors and the farmers for their sustained support. Also, support of the Government of Uttar Pradesh, Government of India, ICAR, and several other institutions is sincerely appreciated.

I hope, the report will give the glimpse of our activities. I congratulate all team members who have put in a lot of efforts in collecting, collating and editing the information and getting the report printed.

R.K. Mittal
Vice Chancellor



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International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), June 16-18, 2019, by Agricultural Technology Development Society (ATDS), at Tribhuvan University, Kathmandu, Nepal.

College of Veterinary and Animal Sciences

1. Dr. M.K. Shukla received the Best Oral presentation of research paper 2018 organised by Society of Andrology: India.
2. Dr. M.K. Shukla received Distinguished Scientist Award-2018 organised by Agro-environment development society.
3. Dr. Amit Kumar Verma received Excellence in Teaching Award-2018 organised by GRISAAS 2018.
4. Dr. K Ranjan received Best Paper award-2018 organised by Society for Veterinary Science & Biotechnology.
5. Dr. Arbind Singh received Young Scientist Award-2018 organised by GRISAAS.
6. Dr. Vineet Kumar received Best paper award-2018 organised by ISVS.
7. Dr. Vineet Kumar received Best paper award-2018 organised by Society for Veterinary Science & Biotechnology.
8. Dr. Surabhi Tyagi received Gold Medal for best poster-2018 organised by ISVS.
9. Dr. Surabhi Tyagi received Best oral presentation award-2019 organised by ISBD.
10. Dr. V.P. Singh becomes the Executive Member 2018-19 for Indian Meat Science Association (IMSA).
11. Dr. D.K. Singh received Fellowship Award 2018 organised by Society for Research & Development in Agriculture.
12. Dr. D.K. Singh received Appreciation-2019 organised by GOI, Ministry of MSME, New Delhi.
13. Dr Vipul Thakur received Scientist of the Year Award-2018 organised by SSDAT, Meerut.
14. Dr. A Fahim received Best oral paper presentation-2019 organized by ISAPM.

CONFERENCES/ SEMINARS/SYMPOSIA/ TRAININGS PARTICIPATED

College of Agriculture International

1. Dr. B. R. Singh attended 2nd Global Meet on Science and technology for ensuring quality life (GMST-2018) held during 13-17 Nov, 2018 at Bali (Indonesia).
2. Dr. B. R. Singh attended 3rd International Conference on Global Initiative in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019) held during 16-18 June, 2019 at Tribhuvan University, Kathmandu- Nepal.
3. Dr. Neelesh Chauhan attended International Conference on 2nd Global Meet on Science and Technology for Ensuring Quality Life (GMST-2018) during 13-17 November, 2018 at Aston Kuta Hostel & Residence, Indonesia.
4. Dr. Mukesh Kumar attended 1st Indo-Asian Conference on Innovative Approaches in Applied Sciences and Technology held from 13-17 June 2018 at Nong Lam University, Ho Chi Minh City, Vietnam as Co-Organizing Secretary.
5. Dr. Mukesh Kumar attended 2nd international conference on Global Initiatives in Agricultural, and Applied Sciences for Eco-friendly Environment (GIASE -2019) held on June, 16-18, 2019 at Conference Hall Tribhuvan University, Kathmandu, Nepal
6. Dr. Satya Prakash attended 2nd Global Meet on Science & Technology for Ensuring Quality Life (GMST-2018) during 13-17 Nov, 2018 organized by SRDA, Meerut held at Bali Indonesia
7. Dr. Satya Prakash attended 3rd International Conference on Global Initiatives and Applied Science for Eco Friendly Environment (GIASE-2019) during 16-18 June 2019 organized by ATDS Ghaziabad held at Tribhuvan University Kathmandu Nepal.
8. Dr. Rajendra Singh attended 3rd International Conference on Global Initiatives and Applied Science for Eco Friendly Environment (GIASE-2019) during 16-18 June 2019 organized by ATDS Ghaziabad held at Tribhuvan University Kathmandu Nepal
9. Dr. Rajendra Singh attended International Conference of Food Agriculture and Innovation (ICFAI) at Bangkok-Pattaya, Thailand (June 19-23, 2019)

National

1. Dr. M.K. Yadav attended workshop on Journey towards System Biology, Biocomputing of High-Throughput Omics Data 08-11 October, 2018 at Department of MBGE, GBPUA&T, Pantnagar, Uttarakhand
2. Dr. Satyendra Kumar attended Brain storming Workshop on Elevated Temperature & its Impact on Fragrance of Basmati Rice & strategies for mitigation on 02.01.2019 organized by COB, SVPUAT, Meerut.
3. Dr. Satyendra Kumar attended XXV Annual Workshop of KVKs (Zone III) on 23-24, August, 2018 at SVPUAT, Meerut.
4. Dr. Satyendra Kumar attended 2nd International Conference on Advances in Agriculture, Biological Sciences for Sustainable future (ABAS-2018) at

Registrar

Swami Vivekanand Subharti University Meerut on October 20-22, 2018 and received Fellow Award-2018 by Agriculture Development Society, Ghaziabad.

5. Dr. Satyendra Kumar attended International Conference on Emerging Issues in Agriculture, Environmental & Applied Sciences for Sustainable Development (EIAEASSD-2018) at Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad on November, 27-29, 2018 and got 2nd position in paper presentation and also received Outstanding Achievement Award-2018 by Agro Environmental Development Society, Rampur.
6. Dr. Satyendra Kumar attended 2nd International Conference on Advances in Agriculture, Biological Sciences for Sustainable future (ABAS-2018) at Swami Vivekanand Subharti University Meerut on October 20-22, 2018 and received Fellow Award-2018 by Agriculture Development Society, Ghaziabad.
7. Dr. S. P. Singh attended National Conference on Managing Natural Resources for Sustainable Agriculture held on 8-9th, December 2018 at Rao Krishan Pal Singh Auditorium, R.B.S. College, Agra, (U.P).
8. Dr. S.P. Singh attended one day Annual Workshop on Export Hetu Basmati Rice ke Production Me Gunvattasudhar, Basmati Export Development Foundation (APEDA) from 28th September, 2018 at SVPUA & T, Meerut.
9. Dr. U.P. Shahi participated in Roundtable on Framework for Remediation and Management of Water Contaminants organized by CRC CARE Australia on 18 January 2018 at Amity University Haryana.
10. Dr. U.P. Shahi participated in one day National Seminar on Rural Empowerment for New India Mission 2022 on 10 August 2018 at Convention Center, JNU, New Delhi.
11. Dr. U.P. Shahi participated in National Seminar on Smart Technologies to boost Farm Profitability and Socio-economic Status of Rural India from 19-20 November 2018 at SKUAST-J. Jammu.
12. Dr. U.P. Shahi delivered a lecture on Crop Residues Management in the Farmers Meeting at KVK Muzaffarnagar during 1-6 October 2018
13. Dr. Jaivir Singh attended 10 days ICAR sponsored short course on Empowerment of Small and Marginal Women Farmers through Agri-Entrepreneurship during 06-15 July, 2018, organized at ICAR - Indian Institute of Farming Systems Research Modipuram, Meerut-250110.
14. Dr. Suresh Chandra attended one day conference on "Impact of Food Processing Sector on Indian Economy" on 13 April 2018 at India International Centre, 40 Max Mueller Marg, New Delhi -110003 organized by AFST (I) Delhi chapter, in collaboration with Knowledge Partners of Suman Project Consultants and RK Media and Communication.
15. Dr. Suresh Chandra participated and paper presented (poster) in 2nd National Conference on Recent innovations and Technological developments in Food Science and Technology (AMIFOST-2018) at Amity University, Noida on dated 28 Sept., 2018.
16. Dr. Neelesh Chauhan attended National Seminar on Environment and Health held on 08 April, 2019 at CCS University, Meerut.
17. Dr. Neelesh Chauhan attended Workshops on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation held on Feb. 02, 2019 at SVPUA & T, Meerut.
18. Dr. Mukesh Kumar as Chairman: Technical session I, theme I of 2nd International conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS -2018)" held on October 20-22, 2018 at Sardar Patel Auditorium, Swami Vivekananda Subharti University, Meerut, Uttar Pradesh, India
19. Dr. Mukesh Kumar as Executive Chairman: 2nd International conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS -2018) held on October 20-22, 2018 at Sardar Patel Auditorium, Swami Vivekananda Subharti University, Meerut, Uttar Pradesh, India
20. Dr. Mukesh Kumar as Co-chairman of Technical Session in 2nd International conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS -2018)" held on October 20-22, 2018 at Sardar Patel Auditorium, Swami Vivekananda Subharti University, Meerut, Uttar Pradesh, India
21. Dr. Mukesh Kumar attended Brainstorming Workshop on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation held on 02/02/2019 at SVPUAT, Meerut.
22. Dr. Satya Prakash attended 2nd International Conference on Advance in Agricultural, Biological & Applied Science for Sustainable Future (ABAS-2018) during 20-22 Oct., 2018 organized by ATDS Ghaziabad held at Subharti University, Meerut.
23. Dr. Satya Prakash attended International Conference on Doubling Farmers Income during 26-28 Oct., 2018 organized by UPCAR and Dept. of Agriculture Lucknow held at IISR Lucknow
24. Dr. Satya Prakash attended National Conference on Promoting and Reinvigorating Agri-Horta Technological Innovations during 15-16 Dec, 2018 held at Jaipur
25. Dr. Satya Prakash attended 28th National Conference of SCSI New Delhi on Farmers Friendly soil and Water conservation Technologies for

- Mitigating Climate change Impact" during 31 Jan, - 02 Feb, 2019 held at Regional Centre SCSi Tamil Nadu.
26. Dr. Satya Prakash attended National Conference on Identification, Convergence, Implementation and extension of Researchable issues for Sustainable Development (ICIESSD-2019) during 20-21 April, 2019 organized by NAMO Society New Delhi & SVPUA&T, Meerut held at SVPUA&T, Meerut
 27. Dr. Bijendra Singh delivered an invited lecture on Bio technological Analysis of Vegetables during 28/04/2018 to 29/04/2018 at JNU New Delhi
 28. Dr. Arvind Kumar Delivered a lecture entitled Nursery Establishment for Fruit Crops: An Option for Pioneering Women Enterprise on 14 July, 2018 in the Short Course on Empowerment of Small and Marginal Women Farmers through Agri-Entrepreneurship organized by ICAR, New Delhi and held at ICAR- Indian institute of farming system, Modipuram (Meerut) from 6th to 15th July, 2018
 29. Dr. Arvind Kumar Delivered a lecture on Food Processing in a Training Programme, organized by Deptt. of Horticulture (Haryana) at Farmers Hostel, SVPUA&T-Meerut on dated 26.03.2019.
 30. Dr. S.K. Singh, attended International Conference on Global Research Initiatives for Sustainable Agriculture and Allied Science organized by Rajasthan Agricultural Research Institute, Durgapura, on 28-30 October 2018, Jaipur (Rajasthan)
 31. Dr. L.K. Gangwar, Dr. S.A. Kerkhi, Dr. Pooran Chand, Dr. S.K. Singh and Dr. Atar Singh attended a lecture on Science Technology and Innovation for Building a Zero Hunger India by Prof. R.B. Singh in the Dr. Norman E. Borlaug lecture series on the occasion of World Food Day on 16.10.2019 at Department of Genetics and Plant Breeding, Chaudhary Charan Singh University, Meerut
 32. Dr. L.K. Gangwar, Dr. S.A. Kerkhi, Dr. Pooran Chand, Dr. S.K. Singh and Dr. Atar Singh participated in International Symposium on 100 Years of Wheat Cytogenetics": Its Impact on Crop Improvement held on 3-4 November 2018 at department of Genetics and Plant Breeding, Ch. Charan Singh University, Meerut
 33. Dr. L.K. Gangwar participated and acted as convener in XXV Annual Workshop of KVKs (Zone-III) of Uttar Pradesh held at SVPUA&T, Meerut during August 23-24, 2018.
 34. Dr. L.K. Gangwar participated in one day workshop on Quality Improvement in basmati Production for Export Quality held on 28.09.2018 jointly organized by BEDF and SVPUAT, Meerut
 35. Dr. Atar Singh attended 2nd International Conference on Advances in Agriculture. Biological and Applied Sciences for Sustainable Future held at Swami Vivekanand Subhari University, Meerut during 20-22 October, 2018.
 36. Dr. L.K. Gangwar, Dr. Pooran Chand and Dr. S.K. Singh participated in Brainstorming Workshop on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation held on 2.02.2019 organized by College of Bio technology, SVPUAT, Meerut
 37. Dr. Atar Singh attended training programme entitled New Innovations in Improvement of Vegetable Crops held on at Centre of Advanced Faculty Training in Horticulture, Department of Vegetable Science, Dr. Y.S. Parmar University of Horticulture and Forestry Nauni, Solan (H.P.) during 05-25 September, 2018.
 38. Dr. Atar Singh attended short training course entitled Crop Diversification for Resilience in Agriculture and Doubling Farmers Income held on at IARI, New Delhi during 25.01.2019 to 03.02.2019.
 39. Dr. Perna Sharma completed Twelve (12) week on line course certified by NPTEL (Funded by ministry of HRD, Gov of India from Jan-April 2019.
 40. Dr. Rashmi attended one-day Workshop on Role of Immunology on Societal Health conducted by College of Biotechnology, SVPUA&T, Meerut on 29.04.2019.
 41. Dr. Archana Bhatnagar attended International Conference (GRISAAS-2018) on Global Research Initiatives for Sustainable Agriculture and Allied Sciences organized by Society for Scientific Development and Agriculture in collaboration with Aastha Foundation, Meerut held at Rajasthan Agriculture Research Institute (RARI), Jaipur (Rajasthan) from November 28-30, 2018.
 42. Dr. Archana Arya and Dr. Deepak Sissodia attended one-day Seminar on Environment & Health organized by CCS University, Meerut on 8th April, 2019.
 43. Dr. Archana Arya attended two Days Conference-Cum Consolation Workshop on Impacts on Environment, Ecosystems, Biodiversity and Natural Resources, June 14-15, 2019.
 44. Dr. Perna Sharma attended and presented a research paper in International Conference at held at AKGEC, Ghaziabad during April 24-25, 2019.
 45. Dr. Hem Singh, Associate Professor, Entomology participated in the programme Resham KEET PALAN telecasted live under HELLO KISHAN programme on 19th April 2018 at 6:00 to 7:00 P.M. of DD Kishan Channel, New Delhi in the farming community welfare.
 46. Dr. S.K. Sachan Organized 25th Annual Zonal Workshop of KVKs (zone III) of U.P. at S.V.P.U.A.T. Meerut, August 23-24, 2018
 47. Dr. S.K. Sachan Organized Mid Term Review Workshop of KVKs at Directorate of Extension S.V.P.U.A.T. Meerut Nov 22-23, 2019
 48. Dr. S.K. Sachan Organized National Symposium on Identification, Convergence, Implementation and

Extension of Researchable issues for Sustainable Development (ICIESSD- 2019) at S.V.P.U.A.T. Meerut, April 20-21, 2019

49. Dr. Rajendra Singh Attended United Light night Vision Association, second Main Rd. Kavery Nagar, Bengaluru, Karnataka, 560017, India. International Conference of Food Agriculture and Innovation (ICFAI) at Bangkok-Pattaya, Thailand (June 19-23, 2019)
50. Dr. Rajendra Singh attended Brainstorming workshop on Elevated Temperature and its Impact on Fragrance of Basmati Rice and Strategies for Mitigation at College of Biotechnology, SVPUA &T., Meerut held on February 2, 2019, Organized by College of Biotechnology, SVPUA &T., Meerut and Dayal Fertilizer Pvt. Ltd., Meerut, (U.P.) India

College of Biotechnology

International

1. Dr. Rekha Dixit attended 3rd International Conference on Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), JUNE 16-18, 2019, Organized by Agricultural Technology Development Society (ATDS) Ghaziabad, at Tribhuvan University, Kathmandu, Nepal.
2. Dr. Neelesh Kapoor and Dr. Naresh Pratap Singh attended 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), 16-18 June, 2019 organized by Agricultural Technology Development Society (ATDS) Ghaziabad, at Tribhuvan University, Kathmandu, Nepal.

National

1. Dr. Rekha Dixit attended National Conference on Identification Convergence, Implementation and Extension of Science-Tech-Research for Sustainable Development (ICIESSD-2019) Organized by New Age Mobilization Society, New Delhi and SVPUA&T Meerut on 20-21 April, 2019 held at SVPUA&T, Meerut UP
2. Dr. Sweta Mishra attended 8th International Conference on Agriculture, Horticulture and Food Science organized by the society of Tropical Agriculture, held on 29-30 December, 2018, at New Delhi. Paper presented on "Biotechnological strategies for production of Fe and Zn dense crops.
3. Dr. Sweta Mishra and Dr. Neelesh Kapoor attended 2nd International Conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS 2018) organized by Agricultural Technology Development Society (ATDS) Ghaziabad and Swami Vivekanand

Subharti University, Meerut, UP held on 20-22 October 2018.

4. Dr. Sweta Mishra attended National Conference on Identification, Convergence, Implementation and Extension of Researchable Issues for Sustainable Development organized by SVPUAT, Meerut and New Age Mobilization Society, New Delhi, held on 20-21 April, 2019.
5. Dr. Neelesh Kapoor attended 1st national Conference on Identification, Convergence, Implementation & Extension of Science-Tech-Research for Sustainable Development (ICIESSD-2019) during April 20-21, 2019 organized at SVPUA&T, Meerut by NAMO Society, New Delhi.
6. Dr. Amit attended 14th Agricultural Science Congress 2019 on Innovations for Agricultural Transformation during 20-23rd Feb., 2019.
7. Dr. Jitender Singh participated in International Symposium on '100 Years of Wheat Cytogenetics: Its Impact on Crop Improvement' during November 3-4, 2018 organized by Department of Genetics & Plant Breeding, Ch. Charan Singh University, Meerut (UP).
8. Dr. Jitender Singh attended an India-ASEAN Innotech Summit- a two days International Conference on November 29-30, 2018 at Lalit Hotel, New Delhi organized by FICCI and DST India.
9. Dr. Amit Kumar participated in one day "Food Conclave" of Centre for Science and Environment, New Delhi to discuss some of the most pressing food-related issues with policy makers, regulators, scientific experts, civil society, consumers and media - 15.03.2019.
10. Dr. Neelesh Kapoor was invited as Eminent Speaker at International Conference on Global Environmental Challenges, Human Health & Sustainable Development organized by ESDA society and JNU, New Delhi during Jan. 11-13, 2019. Silver nanoparticles a novel source for plant growth enhancement.
11. Dr. Neelesh Kapoor and Dr. Naresh Pratap Singh attended 21 days training programme on Recent Trends in Data Analytics and Knowledge Management Sept. 06-26, 2018 at Division of Computer Applications, ICAR-IASRI, New Delhi organized by Center for Advanced Faculty Training.
12. Dr. Amit successfully completed one-month online training MOOC conducted by NAARM, Hyderabad.



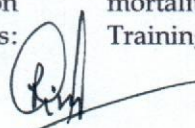
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College of Veterinary and Animal Sciences

1. Dr. Akhil Patel attended CAFT training on Nutrition for Reproduction in Farm Animals' at IVRI, Izzatnagar, September 26th-October 16th, 2018
2. Dr. Mohd. Yousuf Dar, Dr. Aditya Kumar, Dr. Amit Verma, Dr. VP Singh, Dr. R. Mandil, Dr. Arbind Singh, Dr. Ajit Kumar Singh, Dr. Akhilesh Verma attended Massive Open Online Course (MOOC) on Dynamics of Teaching-Learning conducted by ICAR-NAAR, Hyderabad during 01-30 Nov., 2018
3. Dr. Harshit Verma attended 21 days training on Recent Advancement in Recording, Analysis and Interpretation of Novel Phenomics of Livestock" 16 Nov to 06 Dec 2018 at IVRI, Izzatnagar
4. Dr. M.K. Singh attended 21 days training on Technological Advances in Value Addition as well as Production of Green and Safe Poultry Products, 04-24 Sept 2018 CARI, Bareilly
5. Dr. Ahmad Fahim & Dr. Ajit Kumar attended 21 days training on Nutritional Strategy to Enhance Livestock Productivity & Farm Economy at NDRI, Karnal from 5-25th Sept 2018
6. Dr. Ashutosh Tripathi attended 21 days CAFT training at GAD vasu from 9-29 October 2018
7. Dr. Amit Kumar Verma undertook Four weeks online course on Functional Foods: Concept, Technology and Health Benefits organized by IIT, Kanpur and Commonwealth of Learning.
8. Dr. Mohd. Yousuf Dar attended ICAR-CAFT training programme on Application of Genomic Tools in Unravelling Physiological Processes at Division of Physiology & Climatology, IVRI, Izzatnagar during January 29th to February 18th, 2019.
9. Dr. Shailja Katoch, Dr. Shivani Sahu, Dr. Shriya Rawat, Dr. A. Fahim, Dr. Ajit Kumar, Dr. Jeny John attend a 3 days training on Experimental Designing and Data Analysis held during 9-11th January 2019 at Department of Animal Genetics and Breeding, COVAS, SVPUAT, Meerut
10. Dr. P.S. Maurya attended training on an Update of Molecular and Advanced Approaches for Diagnosis of Parasitic Diseases of Animals from 2-11th January, 2019 at NIVEDI, Bengaluru.
11. Dr. Shweta Anand attended ICAR sponsored 21 days CAFT Training on Application of Genomic Tools in Unravelling Physiological Processes from January 29th - February 18th, 2019.
12. Dr. Surabhi Tyagi & Dr. Ajit Kumar Singh attended ICAR sponsored 21 days training on Recent Advances in Clinical Procedures and Diagnostic Imaging Techniques in Veterinary Practice at TANUVAS, Chennai from 18 Jan - 7 Feb, 2019.
13. Dr. Naresh Chandra attended 2 days Training Programme for Nominees of CPCSEA held on 17th to 18th January, 2019 at Ganga Auditorium, Indira Paryavaran Bhawan, New Delhi.
14. Dr. Amit Kumar Verma & Dr. Arbind Singh attended training on Fundamentals of Agriculture Extension, organized by BHU, Varanasi, April 2019.
15. Dr. Vijay Singh, Dr. MK Shukla and Dr. Akhil Patel attended XXVIth Annual Congress of Society of Andrology: India, October 26-28, 2018, MIET, Meerut.
16. Dr. M.K. Shukla & Dr. RK Singh attended National Conference of Association of Animal Physiologists on 'Propelling transition towards sustainable food production through rekindling physiological strategies for addressing contemporary challenges, IVRI, Izzatnagar, December 22-23rd, 2018.
17. Dr. M.K. Shukla & Dr. K. Ranjan attended VIth Annual convention of Society for Veterinary Science and Biotechnology and National Symposium on 'Newer Concepts and Proaches for improvement in animal health and production'. 13-14 December, 2018, College Veterinary Science and A.H., Navania, Udaipur.
18. Dr. Prabhakar Kumar participated in XXXIII Annual Convention & National Symposium on "Veterinary Anatomy from Novices to Expert: Supporting Development of Professional Skills in Doubling Farmer's Income" at College of Veterinary Sciences and Animal Husbandry, Central Agricultural University, Selesih, Aizawl, Mizoram w.e.f. 28th to 30th November 2018.
19. Dr. Rajeev Singh attended XIIth Annual Convention of Association of Indian Zoo & Wildlife Veterinarians, held at GBPUAT, Pantnagar from 29-30th Sept 2018
20. Dr. Amit Verma & Dr. Arbind Singh attended International conference of Global Research Initiative for sustainable agriculture & allied sciences-2018", at RARI, Durgapur, Jaipur from 28-30th October 2018
21. Dr. V.P. Singh & Dr. Akhilesh Verma attended IMSACON-8 at COVAS, Kolkata from 22-24th November 2018
22. Dr. Vivak Malik & Dr. Surabhi Tyagi attended Annual Conference of ISVS at Navsari from 22-24th November 2018
23. Dr. Rajesh Mandil attended XVIII Conference of ISVPT and National Symposia on "One Health: Veterinary Pharmacology and Toxicology Approaches" held at Department of Veterinary Pharmacology & Toxicology, College of Veterinary Science and Animal Husbandry, AAU, Anand-388001 Gujarat, December 05-07, 2018."
24. Dr. R.K. Singh & Dr. Gulab Chandra attended XVII Annual Conference of SAPI and National Symposium on "Augmentation of Animal Productivity Under Changing Socio-Economic Scenario" NDRI, Karnal, 27th - 28th November, 2018.
25. Dr. Shivani Sahu attended International Conference On Recent Trends in Agriculture, Food Science, Meenut-250110 (U.P.)

- Forestry, Horticulture, Aquaculture, Animal Sciences, Biodiversity and Climate Change (AFHABC-2018) held at Jawaharlal Nehru University, New Delhi, on 9th September, 2018.
26. Dr. Shriya Rawat attended XIII Biannual National Conference of Association of Public Health Veterinarians at COVAS Pantnagar from 30-1st December 2018
 27. Dr. Ajit Kumar attended Annual Conference of ANA on "Reorienting Animal Nutrition Research in the Perspective of Farmer's Welfare" from November 19-21, 2018 at Patna.
 28. Dr. Jyoti K. John attended Kerala Veterinary Science Congress 10-11th October 2018
 29. Dr. D.K. Singh attended 2nd Global Meet on Science and Technology for Ensuring Quality Life from 13-17 November 2018 at Bali, Indonesia
 30. Dr. Kuldeep Tyagi & Dr. Devesh Yadav attended National Conference (ISBD-2019) on Enhancing Rural Livelihood through Improved Buffalo Productivity and Health" organized by College of Veterinary Science and Animal Husbandry, NAU, Navsari in collaboration with Indian Society for Buffalo Development, Hisar from 17-19 January 2019
 31. Dr. Shailja Katoch & Dr. K. Ranjan attended the National conference on "Identification, Convergence, Implementation and Extension of Science- Tech- Research for Sustainable Development" held from 20th to 21st April, 2019 at SVPUA & T, Meerut (UP).
 32. Dr. Akshay Garg attended the 106th Indian Science Congress, Section: Animal, Veterinary and Fishery Sciences, held at Lovely Professional University, Phagwara, Punjab, India, from January 3rd to 7th, 2019.
 33. Dr. Akshay Garg and Dr. Harshit Verma attended the 19th Indian Veterinary Congress and XXVI Annual Conference of IAAVR & National Symposium on Innovative Progress in Animal Health and Production for Safe and Secured Food Under One Health Perspective, held at West Bengal University of Animal and Fishery Sciences, Belghachia, Kolkata, West Bengal, India, from February 1st to 2nd, 2019.
 34. Dr. Debashis Roy attended National Symposium and 37th Annual Convention of Indian Society of Veterinary Medicine 1-3 February 2019 at RAJUVAS, Bikaner.
 35. Dr. Mohd. Ameer Khan and Dr. Jitendra Pratap attended the 3rd National Conference of Society for Veterinary and Animal Husbandry Extension on Livestock Development for Societal Needs: Extension and Allied Sectors Initiatives at Pantnagar from April 03-05, 2019.
 36. Dr. Vivak Malik attended the 4th Agrivision-2019 National Convention on Integrated Agriculture-Prosperous Bharat held at National Agriculture Science Complex, ICAR, PUSA, New Delhi on 28-29 Jan, 2019.
 37. Dr. R.A. Siddique attended IIIrd Convention of Society of Veterinary Biochemists and Biotechnologists of India (SVBBI) and National Symposium on Bridging Biochemical Interventions and Environmental Remediations for One Health Improvement during 2-3 Nov, 2018. I acted as Rapporteur in SVBBI 2018 on 2nd November.
 38. Dr. R.A. Siddique participated in Leadership Summit, Scientific Conference and Global Alumni Meet on 15-17th March, 2019 at National Dairy Research Institute, Karnal.
 39. Dr. T.K. attended seminar entitled "New Horizons in Animal Health & Production: Opportunities for Doubling Farmers Income" held at CVSAH, NDUAT, Ayodhya on 28th-29th November 2018
 40. Dr. Ajit Kumar Singh participated in 4th National Youth Convention on "Federating Agri-Youth in Business Group for Remunerative Agriculture" on Feb. 15-16, 2018 at JNKVV, Jabalpur, M.P.
 41. Dr. Amit Verma & Dr. Arbind Singh attended XIV Agricultural Science Congress 2019 at ICAR, New Delhi
 42. Dr. Prabhakar Kumar, Dr. RA Siddiqui & Dr. K. Ranjan attended ICAR Broad Subject Matter Area (BSMA) committee in Basic Veterinary Sciences for "Restructuring of Masters and Ph.D. Curriculum and Syllabi for the discipline under Agricultural Sciences" at TANUVAS, Chennai during 22-23 Oct, 2018.
 43. Dr. Mohd Ameer Khan attended as Subject Matter Expert to give final shape of Postgraduate course curriculum in Veterinary Extension Education which was held on 8th Oct. 2018 at IVRI, Izatnagar under ICAR Board Subject Matter Area Committee in Basic Veterinary Sciences for Restructuring of Masters and Ph.D. curriculum and syllabi for the discipline under agricultural sciences.
 44. Dr. Debashis Roy visited Cadila Healthcare Limited, Haridwar, UK as an expert to evaluate the quality of feed additives and premixture for export.
 45. Dr. Amit Verma, Dr. PS Maurya, Dr. A. Garg, Dr. D. Roy, Dr. Ajit Kumar Singh, Dr. TK Sarkar, Dr. Desh Deepak acted as members in expert committee for health check-up and investigation of cause of mortality of tortoises at Hastinapur Forest Guard Training centre from time to time.



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TRAININGS ORGANIZED

1. Department of Livestock Production and Management organized 6 days practical training programme on "Skill development cum poultry entrepreneurship" in collaboration with CPDO, Chandigarh from 3-8th September, 2018.
2. Department of Livestock Production and Management in association with KVK Hastinapur organized 5 days practical training programme on "Commercial pig farming for self-employment" from 20-24 Oct. 2018 at SVP UA&T, Meerut.
3. Department of Animal Genetics and Breeding organized 3 days continuing biostatistics education training on "Experimental Designing and Data Analysis" from 9-11 January, 2019 with ten participants.
4. Department of Veterinary Gynaecology and Obstetrics organized training on "Artificial Insemination Services for Productivity Enhancement of Livestock" for master trainers under National Livestock Mission sponsored by UPLDB, Lucknow from 27-05-2019 to 31-05-2019.
5. Department of Veterinary Gynaecology and Obstetrics organized training on "Artificial Insemination Services for Productivity Enhancement of Livestock" for master trainers under National Livestock Mission sponsored by UPLDB, Lucknow from 17-06-2019 to 21-06-2019.



6. Department of LPT conducted exposure visit to the Abattoir cum Export Unit, Meerut for B.V.Sc. & A.H. 3rd year students.
7. Department of LPM organized an exposure visit for 1st Year B.V.Sc. & A.H. students to IVRI, Izatnagar&Mukteshwar.
8. Registration of SVP UA&T, Modipuram Meerut and Institutional Animal Ethics Committee (IAEC) with "The Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA)" Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi from dated 19.03.2019 to 18.03.2024 with the registration no. 2058/GO/Re/SL/19/CPCSEA by Dr. Mahesh Kumar Bharti, Member Secretary, IAEC.
9. Dr. Debashis Roy has visited Cadila Healthcare Limited, Haridwar, UK as an expert to evaluate the quality of feed additives and premixture for export.
10. Dr V.P. Singh has visited Haldi Ram Food Pvt Limited, Ghaziabad as an expert of Export Inspection Council for renewal of licence of dairy based foods for export.
11. Dr Amit Verma, Dr. P.S. Maurya, Dr A. Garg, Dr. D. Roy, Dr. Harshit Verma, Dr. Ajit Kumar Singh, Dr. TK Sarkar, Dr. Desh Deepak acted as members in expert committee for health check-up and investigation of cause of mortality of tortoises at Hastinapur Forest Guard Training centre from time to time.

[Signature]

12. Department of Immunology and Défense Mechanism in collaboration with Indian Immunology Society (IIS), All India Institute of Medical Sciences (AIIMS), New Delhi, India organized awareness Campaign cum workshop on 'Role of Immunology in Societal Health' on the occasion of World Immunology Day held on 29 April, 2019. On this occasion Dr. S.K. Garg, Ex-Vice Chancellor, DUVASU, Mathura was the chief guest and delivered his speech on the role an antibody. Hon'ble Vice Chancellor also speaks about the

impact of immunology on the societal health. All the Dean, Directors, faculty and students were present.

13. Department of Immunology and Defense Mechanism organized DBT Sponsored Training Workshop on "Bioinformatics Tools and Techniques in Agriculture" from March 25 to 27, 2019.



Hon'ble Vice Chancellor greets the chief guest Dr. S.K. Garg



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2019-20

ANNUAL REPORT

वार्षिक प्रतिवेदन

2019-20





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Agriculture & Technology, Meerut-250110 (U.P.)**

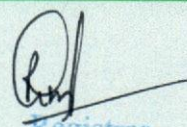
**सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक विश्वविद्यालय
मेरठ - 250110 (उ०प्र०)**

वार्षिक प्रतिवेदन

ANNUAL REPORT

2019-20





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Meerut-250110 (U.P.)

website : <http://svbpmeerut.ac.in>



Annual Report 2019-20

Sardar Vallabhbhai Patel University
of Agriculture and Technology,

Meerut-250110, U.P., India

Phone: 0121-2888503, 0121-2888522

Fax : 0121-2888505

Website : www.svbpmeerut.ac.in

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Prof. R.K. Mittal

Vice-Chancellor

Sardar Vallabhbhai Patel University
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Dr V.P. Singh

Dr Harshit Verma

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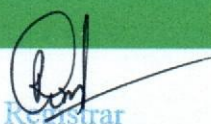
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Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut

PREFACE

I feel proud and privileged to present the Annual Report of Sardar Vallabhbhai Patel University of Agriculture and Technology for the Session 2019-20. I am glad to affirm that our university is prominently concerned with the prime endeavor of education in terms of teaching, research and extension in the field of agriculture and allied sciences. The university is in right path with his mandate to upgrade agriculture, with its allied sectors because these sectors are unquestionably the largest livelihood provider in India, more so in the vast rural areas. They are also the significant contributors to the Gross Domestic Product (GDP) of country.



Since the inception of university in 2000, SVPUAT has been contributing to education and has a culture of hard work and innovations. In spite of limited resources university has imparting the high-quality agricultural education, conducting hi-tech research and carry out transfer of technologies efficiently. Various research projects funded by ICAR, State Government, RKVY, CST & DBT, NHB/NIAM, Spice Board & Ministry of Earth Science, UGC and Private Companies were the assets for research in university. During the period university-maintained university developed nucleus seed of field crops varieties, Vallabh Basmati 21, Vallabh Basmati 22, Vallabh Basmati 23 and Vallabh Basmati 24 rice, Sadbhavna, Surya, Vallabh Kallar Chana-1, Vallabh Kabuli Chana-1 and WCG-10 chickpea, Vallabh Urd-1 of Urd. Field demonstrations were also organized in Technology Park of the university on newly released 08 varieties of lentil, 12 varieties of chickpea, 42 varieties of wheat, 12 varieties? 30 varieties of basmati rice, 10 varieties of Green gram and 09 varieties of Urd. Technology of BIPM Module for sugarcane was developed in the Bio-control Laboratory Unit.

Extension activities of the university were to ensure that the research outcome reach to the farmers, the real stakeholders through trainings of the farmers, farm women and farm youths. The higher level of academic activities in the university was due to enthusiastic involvements of our officers, scientists, faculty, supporting staff and students and deserves appreciation. I heartily congratulate the entire SVPUAT fraternity for their incessant efforts in bringing our University to this level. I am sure that this saga of success would continue for all time to come. I congratulate all team members for their untiring efforts to bring out the university progress in a form of annual report.

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R.K. Mittal
Vice Chancellor



Seminar, Conference, Symposia, Training and Workshop

1. Dr. Bijendra Singh, Dr. Satya Prakash, Dr. Vipin Kumar, Dr. Arvind Kumar and Dr. M.K. Singh attended the International conference on "3rd Global meet on science & technology for ensuring food & nutrition security (GMST-2019) Pp 68, during 01-03, December, 2019 at National research centre on seed spices - Ajmer, Rajasthan.
2. Dr. Satya Prakash, Dr. Vipin Kumar, Dr. Arvind Kumar and Dr. M.K. Singh attended 5th Global Outreach Conference on "Modern Approaches for Smart Agriculture (MASA-2020) on 28-29, Feb, 2020 at Shobhit University, Meerut (UP).
3. Dr. Vipin Kumar Organized 3rd International Conference in Agriculture and Applied Science for Eco Friendly Environment (GIASE-2019) during June 16-18, 2019 at Tribhuvan University, Kathmandu (Nepal) as Joint secretary of the conference.
4. Dr. Satya Prakash Organized 3rd International Conference in Agriculture and Applied Science for Eco Friendly Environment (GIASE-2019) during June 16-18, 2019 at Tribhuvan University, Kathmandu (Nepal) as Chairman of the conference.
5. Dr. Satya Prakash organized 02 days national conference on "Identification, coverage, implementation and extension of science and technology for sustainable development on 20-21, Apr, 2019 held at SVPUAT, Meerut. as a member of executive committee. The conference was jointly organized by New Age Mobilization Society, New Delhi
6. Dr. Satya Prakash Presented the invited lecture on "Varietal performance of bottle gourd in western plain zone of Uttar Pradesh" during 3rd International Conference in Agriculture and Applied Science for Eco Friendly Environment (GIASE-2019) during June 16-18, 2019 at Tribhuvan University, Kathmandu (Nepal).
7. Dr. Satya Prakash attended the 26th Annual Zonal Workshop of KVKs held at NDUAT, Ayodhya. Organized by Directorate of ICAR- ATARI, Kanpur on 08-09, July 2019.
8. Dr. Satya Prakash attended and organized as Jt. Secretary of the society 05 days International conference on "Soil and water resources management for climate smart agriculture, global food and livelihood security held at NASC complex, New Delhi, organized by SCS, New Delhi.
9. Dr. Pankaj Kumar participated in the First National Conference on "Neglected and Underutilized Crop Species for Food, Nutrition, Energy and Environment" during August 2, 2019 at NIPGR, New Delhi.
10. Dr. Rekha Dixit participated in e-Conference on Genetics and Plant Breeding Research in Post COVID-19 Era, organized by Department of Genetics and Plant Breeding, Ch, Charan Singh University, Meerut during 13-14 June 2020
11. Dr. Rekha Dixit participated in International Conference on Genomics and Breeding for Crop Improvement, organized by Department of Genetics and Plant Breeding, Ch, Charan Singh University, Meerut during 04-06 December 2019
12. Dr. Rekha Dixit participated in 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), JUNE 16-18, 2019, Organized by Agricultural Technology Development Society (ATDS) Ghaziabad, at Tribhuvan University, Kathmandu, Nepal.

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13. Dr. Jitender Singh attended webinar on "Pandemics and hunger: Mainstreaming millets for addressing food and nutritional security" organized by Department of Plant Sciences, School of Life Sciences, University of Hyderabad on June 8, 2020.
14. Dr. Jitender Singh attended Live Webinar Series "Applications of omics in climate smart agriculture" from 30 April to 02 May, 2020 Centre for Advanced Agricultural Science and Technology for Climate Smart Agriculture and Water Management (CAAST-CSAWM) Mahatma Phule Krishi Vidyapeeth, Rahuri, Tal. Rahuri, Dist. Ahmednagar 413722
15. Dr. Jitender Singh participated in VIROCON 2020 International Conference of Virology on "Evolution of Viruses and Viral Diseases" Organized by Indian Virological Society 18th - 20th February 2020 at Indian National Science Academy (INSA), New Delhi, India
16. Dr. Jitender Singh participated in 7th International Conference on "Phytopathology in Achieving UN Sustainable Development Goals" at New Delhi, India during January 16-20, 2020.
17. Dr. Jitender Singh attended Workshop on Gene Editing at NIPGER, New Delhi-12
18. Dr. Jitender Singh participated in "First National Conference on "Neglected and Underutilized Crop Species for Food, Nutrition, Energy and Environment" NIPGR, New Delhi | August 2, 2019 (Friday)
19. Dr. Amit Kumar Participated in Regional Conference on goats (ARCG), Chitwan, Nepal during 20-23rd October, 2019.
20. Dr. Amit Kumar Participated in 46th Annual Conference of Indian Immunology Society IMMUNOCON 2019 "Advances in immunology research: Impact on healthcare" 14 -16 November, 2019, DAE Convention Centre, Anushaktinagar, Mumbai-400094.
21. Dr. Amit Kumar Participated in SPARC-INDO-US Immunology workshop organized by IIT, Ropar and The George Washington University, USA during 12-13th June, 2020.
22. 3rd International Conference on "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019), June 16-18, 2019, Organized by Agricultural Technology Development Society (ATDS) Ghaziabad, at Tribhuvan University, Kathmandu, Nepal.
23. Dr Rekha Dixit Participated in 5th Global Outreach Conference on "Modern Approaches for Smart Agriculture" (MASA-2020) held on February 28-29, 2020 by School of Bioengineering and Life Sciences, Shobhit Institute of Engineering and Technology, Meerut in collaboration with GOREA and Society for Plant Research, and presented on Genomic Approaches for Enhancing Nutrient Use efficiency in crop plants.
24. Dr. Rekha Dixit attended National Conference on Identification Convergence, Implementation and Extension of Science - Tech- Research for Sustainable Development (ICIESSD-2019) organized by New Age Mobilization Society, New Delhi and SVPUA&T, Meerut on 20-21 April, 2019 held at SVPUA&T, Meerut, UP.
25. Dr. Pankaj Chauhan attended National Conference on Identification Convergence, Implementation and Extension of Science - Tech- Research for Sustainable Development (ICIESSD-2019) organized by New Age Mobilization Society, New Delhi and SVPUA&T, Meerut on 20-21 April, 2019 held at SVPUA&T, Meerut, UP.
26. Dr. Neelesh Kapoor participated as Course Co-coordinator in Faculty training "Application of molecular and bioinformatics tools in agriculture and Allied sciences" Feb., 12-25, 2020.
27. Dr. Neelesh Kapoor One Month training

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- for UG/PG students on "Hands on training on conventional, molecular and bioinformatics tools" during 17.06.2019 - 16.07.2019.
28. Dr. Neelesh Kapoor participated in 1st national conference on "Identification, convergence, implementation & extension of science-tech-research for sustainable development (ICIESSD-2019)" during April 20-21, 2019 organized at SVPUA&T, Meerut by NAMO Society, New Delhi.
 29. Dr. Shalani Gupta attended National Conference on Identification Convergence, Implementation and Extension of Science-Tech- Research for Sustainable Development (ICIESSD-2019) organized by New Age Mobilization Society, New Delhi and SVPUA&T, Meerut on 20-21 April, 2019 held at SVPUA&T, Meerut, UP.
 30. Dr. Pankaj Kumar attended training on Clean milk production and value addition in milk and milk products organized by College of Veterinary & Animal Sciences, SVPUAT, Meerut from 2-7 March, 2020.
 31. Dr. Rekha Dixit attended training on Role of Immunology in Societal Health organized by College of Biotechnology, SVPUA&T, Meerut from April 29, 2019.
 32. Dr. Rekha Dixit attended training on Massive Open Online Course on Psychology of Learning organized by ICAR-National Academy of Agricultural Research Management, Hyderabad from May 1-15, 2020.
 33. Dr. Jitender Singh attended training cum workshop on Workshop on Gene Editing organized by NIPGER, New Delhi-12 from 18-22 November, 2019.
 34. Dr. Amit Kumar attended training cum workshop on Workshop on Gene editing and plant tissue culture techniques organized by National Institute of Plant Genomic Research, New Delhi from 18-22 November, 2019.
 35. Dr. Amit Kumar attended training on Psychology of Teaching organized by ICAR-National Academy of Agricultural Research Management, Hyderabad from 1-15 May, 2020.
 36. Dr. Amit Kumar attended training on Lessons from Ebola: Preventing the Next Pandemic organised by Harvard University, Cambridge, UK from 1-28 April, 2020.
 37. Dr. Amit Kumar attended training on Newer approaches in disease diagnosis and vaccines for livestock and poultry organized by ICAR- National Research Centre on Equines, Hisar, India from 28.01.2020 to 06.02.2020.
 38. Dr. Naresh Pratap Singh attended training on MOOC training programme on "TEACHING EXCELLENCE" organized by NAARM Hyderabad from 01-30 November, 2019.
 39. Dr. Shalani Gupta attended training on MOOC training programme on "TEACHING EXCELLENCE" organized by NAARM Hyderabad from 01-30 November, 2019.
 40. Dr. Naresh Pratap Singh attended faculty training on Applications of molecular and bioinformatics tools in agriculture and allied sciences organized by College of Biotechnology, SVPUAT, Meerut from 12.02.2020 to 25.02.2020.
 41. Dr. Sandeep Kumar attended faculty training on Applications of molecular and bioinformatics tools in agriculture and allied sciences organized by College of Biotechnology, SVPUAT, Meerut from 12.02.2020 to 25.02.2020.
 42. Dr. Vivak Malik attended 32nd Advanced faculty training course on "Diagnostic anaesthetic and surgical interventions in emergency and trauma patient" held from 11/09/2019 to 01/10/2019 at GADVASU, Ludhiana.
 43. Dr. Mohd. Ameer Khan attended training programme on "New Extensionist:



Changing Paradigms in Agricultural Extension" at Indian Veterinary Research Institute Izatnagar U.P. from 21-30 September 2019.

44. Dr. Aditya Kumar, Dr Arbind Singh, Dr Ajit Kumar Singh, Dr Amit Kumar Verma, Dr Rajesh Mandil, Dr Akhilesh Verma, Dr Shweta Anand, Dr Pramila Umaraw, Dr Shivani Sahu, Dr Shriya Rawat, Dr Desh Deepak, Dr Manish Shukla, Dr Akhil Patel, Dr M Bharti attended Massive open online course on 'Dynamics of Teaching-Learning' from 1-30 Nov, 2019 held at ICAR-NAARM, Hyderabad.
45. Dr Alok K. Dixit attended ICAR short course on "Advances in the management of drug resistance in economically important parasites" held from 4-13 Nov. 2019 organized by ICAR-IVRI, Izatnagar.
46. Dr Jeny K John attended CAFT training on 'Diagnosis of poultry and animal diseases with emphasis on morphological characterization of gross and histopathological lesions' held from 17 Nov-7 Dec, 2019 organized by GADVASU, Ludhiana.
47. Dr. Debashis Roy attended Training cum workshop on "Developing winning research proposals on Digital solution in agriculture" held from 19-23 Nov, 2019 organized by ICAR-NAARM, Hyderabad.
48. Dr. Shailja Katoch attended ICAR CAFT training on "Microbiological techniques for diagnosis of emerging and re-emerging diseases of Veterinary importance" held from 20 Nov-10 Dec., 2019 organized by LUVAS, Hisar.
49. Dr V.P. Singh, Dr Amit Kumar Verma, Dr Arbind Singh attended 21 days ICAR-CAFT training programme on "Recent advances in sample survey and data analysis using statistical software" held from 28 Nov to 18 Dec, 2019 organized by ICAR-IASRI New Delhi.
50. Dr. Akshay Garg attended ICAR sponsored winter school on 'Advances in Diagnosis and control of endemic and emerging infectious diseases of livestock and poultry in north eastern region of India' held from 03-23 December 2019 organized by Assam Agriculture University Khanapara Campus Guwahati Assam.
51. Dr Gulab Chandra attended An Advance Short Course on 'Dietary Manipulation for Improving Energetic Efficiency and Reducing Methane Emission in Ruminants' held from 3-23 Dec. 2019 organized by ICAR-IVRI, Izatnagar.
52. Dr. R.K. Singh attended CAFT training on "Neuro-endocrine regulation of livestock production: Prospect and Retrospect" organized by Indian Veterinary Research Institute, Izatnagar, Bareilly held from 28 Jan - 17 Feb 2020.
53. Dr. Debashis Roy attended CAFT training on "Understanding gut-microbiome crosstalk for augmenting feed efficiency and economizing livestock production" held from 07 - 27 February 2020 organized by ICAR-IVRI, Izatnagar.
54. Dr Pramila Umaraw attended CAFT Training on "Issues in export of livestock and livestock products vis-à-vis SPS agreement held from 7-27 Feb 2020 organized by LUVAS, Hisar.
55. Dr. Akshay Garg attended Training on "Application of molecular and bioinformatics tools in agriculture and allied sciences" held from 12 - 25 Feb 2020 organized by College of Biotechnology, SVPUA&T Meerut.
56. Dr. M.K. Bharti attended Training on "Application of molecular and bioinformatics tools in agriculture and allied sciences" organized by from 12 - 25 Feb 2020 organized by College of Biotechnology, SVPUA&T Meerut.
57. Dr. R.A. Siddique attended Training on "Application of molecular and bioinformatics tools in agriculture and



allied sciences" organized by from 12 - 25Feb 2020 organized by College of Biotechnology, SVPUA&T Meerut.

58. Dr R. A. Siddique attended 3rd International Conference, "Global Initiatives in Agricultural and Applied Sciences for Eco Friendly Environment (GIASE-2019)" on 16-18th June, 2019 at Tribhuvan University, Kathmandu, Nepal.
59. Dr V.P. Singh, attended International Conference on "Sustainable agriculture production for food, nutritional livelihood security: a challenge for Asian Farmers during 25-27 September, 2019 at Pattaya, Thailand organized by Pragati International Scientific Research Foundation (PISRF), India.
60. Dr R.K. Singh, attended International Conference on "Sustainable agriculture production for food, nutritional livelihood security: a challenge for Asian Farmers during 25-27 September, 2019 at Pattaya, Thailand organized by Pragati International Scientific Research Foundation (PISRF), India.
61. Dr V.P.Singh, attended 9th IMSACON & International Symposium On "Advances in Production, Processing and Quality Assurance of Muscle Foods for Improved Health and Nutritional Security" Organized by Department of Livestock Products Technology, DGCN College of Veterinary & Animal Sciences, CSK HPKV, Palampur (HP) 176062, India in collaboration with Indian Meat Science Association from 6-8 November, 2019.
62. Dr. Debashis Roy attended XVIII Biennial International Conference, 2019 of Animal Nutrition Society of India from December 17-19, 2019 at Kolkata.
63. Dr. Mohd. Ameer Khan and Dr. Jitendra Pratap attended a National Conference of Indian Veterinary Extension Forum, on "Beyond Information Transfer-Revisiting Livestock Extension for Sustainability and Farmers' Prosperity" from 11th to 13th July, 2019 at Nagpur Veterinary College, Maharashtra Animal and Fishery Sciences University, Nagpur and presented a lead paper and research paper during this conference.
64. Dr. Prashant Mahadev Gedam, Assoc. Prof. attended workshop on "Vigyan Sulabh Goshala Prabandhan" at MAFSU, Nagpur on 28th July, 2019.
65. Dr Prabhakar Kumar Assoc. Prof. & OIC attended workshop "Plastination: Hands on workshop" at Sapthagiri Institute of Medical Sciences & Research Center, Hessarghata, Bengaluru on 1st and 2nd August, 2019.
66. Dr. Prashant Mahadev Gedam attended workshop on "Willed body program and humane alternatives for laboratories in veterinary education" at NTR College of Veterinary Science, Gannavaram on 30th August, 2019.
67. Dr.Gulab Chandra participated and presented APACON-2019 organized by the Animal Physiologists Association on "Issues and Strategies for Physiological Capacity Building in Animals" on October 14-15, 2019 at College of Veterinary Science, SVVU, Tirupati-517502, A.P., India
68. Dr. Rajeev Singh attended a workshop on "Food Borne Zoonotic Diseases" at National Academy of Agriculture Sciences at New Delhi on 21st Nov 2019.
69. Dr. Prabhakar Kumar Assoc. Prof. & OIC attended XXXIV Annual Convention & National Symposium on "Recent Advances in Veterinary Anatomy and Its Application in Clinical Sciences" at Department of Veterinary Anatomy, Veterinary College, Karnataka Veterinary, Animal & Fisheries Sciences University, Bengaluru during 28th to 30th November 2019.
70. Dr. RA Siddique attended conference from 1-2nd Dec, 2019 at Kumaon University, Nainital, on Global Perspective in

Signature

Registrar
V. P. Singh
V. P. Singh
V. P. Singh



Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019).

71. Dr. Rajesh Mandil attended National workshop on "In silico and cell culture techniques as alternatives to animal use". Department of Veterinary Pharmacology & Toxicology, College of Veterinary and Animal Sciences, Mannuthi, Thrissur, Kerala, KVASU, Kerala dated 17/12/2019. 2009.
72. Dr. Rajesh Mandil attended XIX Annual Conference of ISVPT and National Symposia on "Pharmacogenomics in the development and validation of indigenous drugs" held at Department of veterinary pharmacology & toxicology, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, KVASU, December 18-20, 2019
73. Dr Alok K. Dixit, Dr Amit Verma & Dr Desh Deepak attended one day workshop on Glanders and farcy disease control and surveillance organized by Department of Animal husbandry, Meerut on 30/12/19 and delivered lecture on parasitic diseases of horses.
74. Dr Rajbir Singh and Dr. Ahmed Fahim attended 2 days workshop on "Productivity enhancement in goats through artificial insemination: Scope, Challenges and Strategies" under flagship programme of Rashtriya Krishi Vikas Yojana (RKVY) at DUVASU, Mathura from 13-14 Jan., 2020.
75. Dr. Mohd. Ameer Khan, Associate Professor & OIC attended national conference of Society for World Environment, Food and Technology, at Lucknow U.P. 7-8 Feb, 2020
76. Dr. Mohd. Ameer Khan, Associate Professor & OIC attended National Conference of society of Global Outreach Research Education Association (GOREA) at Meerut 28-29 Feb, 2020.
77. Prof. Samsheer participated in 5th Global Outreach Conference on "Modern Approaches for Smart Agriculture (MASA- 2020)" during 28- 29 February, 2020 organized by School of Biological Engineering and Life Sciences, Shobhit University, Meerut.
78. Dr. Suresh Chandra attended the 2nd National Conference on "Technological and Emerging Aspects in Agriculture and Community Science" during February 7-8, 2020 at Conference Hall, International Buddhist Research Institute, Lucknow.
79. Dr. Suresh Chandra participated in First national webinar "Agriculture and Food during COVID-19 pandemic" organized by Society for World Environment, Food and Technology, Meerut on dated May 30, 2020.
80. Dr. Suresh Chandra participated two days national webinar on "Food and Nutrition in the present scenario of COVID-19" organized by Vasant Kanya Mahavidyalaya, Kamachha, Varanasi (UP) during May 13-14, 2020.
81. Dr. Suresh Chandra attend two-week online training on "Advances in Smart Food Processing Technology" organized by CAAST-CSAWN, Mahatma Phule Krishi Vidyapeeth, Rahuri (MS) under NAHEP, ICAR New Delhi held during June 4-15, 2020.

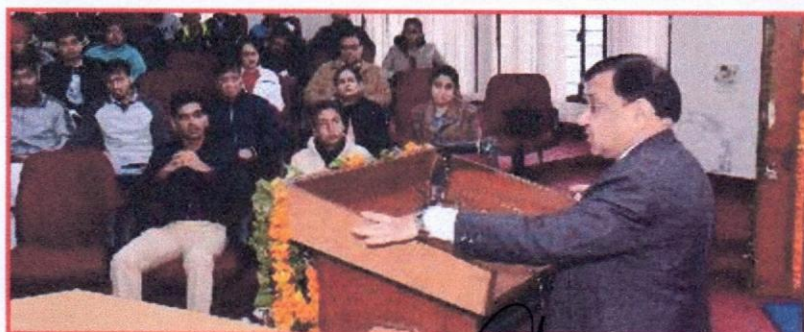
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Meerut-250110 (U.P.)



Trainings Organized by the University

A collaborative workshop on Academia- Industry- Government linkages for Quality Agricultural Education in collaboration with ICAR- National Academy of Agricultural Research Management was organised by Prof. Samsher, Dean PGS at Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut during November 27-28, 2019 under dynamic leadership of Dr. R. K. Mittal, Vice-Chancellor, SVPUA&T, Meerut. The objective of this workshop was to get input for developing a framework in order to strengthen the

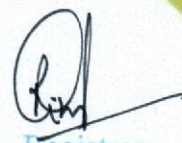
relationship between the three parties i.e. Agricultural Universities, Industry and State Government for improving quality of Agricultural Education. The Workshop was organized as a part of the World Bank funded by National Agricultural Higher Education Project (NAHEP) Component - 2A. About seventy participants representing various Agricultural Universities, Industry and Government organizations hailing from the states of Uttar Pradesh, Uttarakhand, Madhya Pradesh and Bihar participated in the workshop.



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2020-21



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Sardar Vallabhbhai Patel University of
Agriculture & Technology, Meerut - 250110 (U.P.)

सरदार वल्लभभाई पटेल कृषि एवं प्रौद्योगिक
विश्वविद्यालय मेरठ - 250110, उत्तर प्रदेश

Annual Report 2020-21

Sardar Vallabhbhai Patel University of Agriculture and Technology,

Meerut-250110, U.P., India

Phone: 0121-2888503, 0121-2888522

Fax : 0121-2888505

Website : www.svbpmeerut.ac.in

Published By:

Prof. R.K. Mittal

Vice-Chancellor

Sardar Vallabhbhai Patel University

of Agriculture and Technology,

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Compiled and Edited By

Dr. R.S. Sengar

Dr. Harshit Verma

Dr. Shriya Rawat

Dr. Prabhakar Kumar

Printed by

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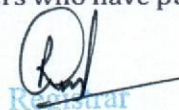
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Meerut-250110 (U.P.)

Preface



The present annual report for the year contains the salient achievements and activities carried out by the Sardar Vallabhbhai Patel University of Agriculture & Technology (SVPUAT). Agriculture is the primary source of livelihood for about 58% of India's population and contributes about 17% to Gross Value Added (GVA). The Indian food industry is poised for huge growth, increasing its contribution to the world food trade every year owing to its immense potential for value addition, particularly within the food processing sector. Agricultural research and development are fundamental for planned growth and sustainable development of agriculture in the country. The university is an apex organization in the field of agricultural research at the national level and plays a crucial role in promoting and accelerating agricultural research, education, extension and support in demonstrating the use of new technologies in agriculture at field level. The year 2020 saw one of the most threatening catastrophies ever witnessed by humanity: the COVID-19 pandemic tested our capabilities almost in all fields and the agricultural sector is one of them. Despite these difficulties, we have the responsibility to feed above 1.3 billion people of the country, and I am satisfied that our farmers and scientists worked hard during this difficult period and achieved about 3.4% growth of this sector. Livestock and fishery sectors have immense importance for Indian agriculture and to ensure good health of cattle and fishes is continuing working to develop test and diagnostics. SVPUAT is not only focusing on developing technologies to increase production of various agri-commodities but also working intensely with the farming community. Agricultural education is vital to develop trained and skilled human resources to take up present and future challenges confronted by Indian agriculture due to climate change and constraints to natural resources and the university is fully committed for this. During this period university issued advisories to the colleges to take necessary steps to connect with each student through online tools and guidelines were prepared for e-learning, implementation of student READY programme, conducting examinations etc. University is continued efforts in development of innovative technologies for the benefit of Indian farmers is praiseworthy. Traditionally, the farming systems were sustainable; however, those farming systems have changed rapidly from one of mixed crops and livestock to intensive integrated irrigated cropping. The diverse challenges and constraints demand a paradigm shift in formulating and implementing the agricultural research programmes to arrest slow growth in farm income vis-à-vis new global trade regulations. Optimization of various agricultural components and their integration for multi-enterprise farming systems, development of sustainable farm practices for enhanced soil health, and resource use efficiencies under diverse farming situations and farm categories will be of paramount importance for sustainable agriculture. Simultaneously, integrated approaches towards site-specific balanced nutrition, pests, weeds and crop management, precision agriculture and conservation agriculture-based management practices are the areas of research that need to be addressed through conventional and modern biotechnological tools.

I hope that university Annual Report 2020-21 will be useful to different stakeholders and boost the research and development in agriculture. I congratulate all team members who have put in a lot of efforts in collecting and editing the information and getting the report printed.



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Meerut-250110 (U.P.)



R.K. Mittal
Vice Chancellor



SVPUAT, Meerut.

- Amit Kumar, Jitender Singh and Anil Sirohi (2021). Quorum Sensing: a mechanism involved in the transfer of drug resistance genes. In Proceeding- Newer Approaches to Combat Antimicrobial Resistance. International workshop on Antimicrobial Resistance: Current Scenario and Future Prospects (page no. 54-59). Published by SVPUAT, Meerut.
- Harshit Verma, Amit Kumar, Mrinal Srivastava, Surendra Upadhyay, Malyaj R Prajapati and Jitender Singh (2021). Antibiotic Resistance: Harshit Verma, Amit Kumar, Mrinal Srivastava, Surendra Upadhyay, Malyaj R Prajapati and Jitender Singh (2021). In Proceeding- Newer Approaches to Combat Antimicrobial Resistance. (page no. 40-45). Published by SVPUAT, Meerut.

Participation of Faculty In Training/Conferences/symposium/workshop Etc.

COLLEGE OF BIOTECHNOLOGY

- Dr. Rekha Dixit attended 15 days training programme on Intellectual Property Rights in Agricultural Research & Education in India held during 12-28, Sept. 2020 under NAHEP and IP and TM unit of ICAR Headquarters, Pusa New Delhi.
- Dr. Rekha Dixit attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Naresh Pratap Singh attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Neelesh Kapoor attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Amit Kumar attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Jitendra Singh attended one day International workshop on Antimicrobial Drug Resistance:

Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.

- Dr. Anil Sirohi attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Pankaj Kumar attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Pankaj Chauhan attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Ravindra Kumar attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Akash Tomar attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Purushottam attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Sandeep Kumar attended one day International workshop on Antimicrobial Drug Resistance: Current Scenario and Future Prospects held on 18 March 2021 at College of Biotechnology SVPUAT, Meerut and NAHEP.
- Dr. Rekha Dixit attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
- Dr. Anil Sirohi attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
- Dr. Ravindra Kumar attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24



- Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
- Dr. Pankaj Kumar attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Pankaj Chauhan attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Amit Kumar attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Jitendra Singh attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Shalini Gupta attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Akash Tomar attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Purushottam attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Naresh Pratap Singh attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Neelesh Kapoor attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Sandeep Kumar attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 at ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Shweta Misra attended three days training programme on Advanced Bioinformatics Tools and its Applications in Agriculture held during 22-24 Feb. 2021 organized by ICAR-NAARM, Hyderabad and College of Biotechnology, SVPUAT, Meerut.
 - Dr. Rekha Dixit attended 15 days training programme on Psychology of Learning held during 01-15 May 2020 organized by ICAR-NAARM, Hyderabad.
 - Dr. Amit Kumar attended 15 days training programme on Psychology of Learning held during 01-15 May 2020 organized by ICAR-NAARM, Hyderabad.
 - Dr. Rekha Dixit attended 30 days training programme on Massive Open Online Course on Designing e Learning content held during 01-30 July 2020 organized by ICAR-NAARM, Hyderabad.
 - Dr. Narash Pratap Singh attended 30 days training programme on Massive Open Online Course on Designing e Learning content held during 01-30 July 2020 organized by ICAR-NAARM, Hyderabad.
 - Dr. Neelesh Kapoor attended 30 days training programme on Massive Open Online Course on Designing e Learning content held during 01-30 July 2020 organized by ICAR-NAARM, Hyderabad.
 - Dr. Naresh Pratap Singh attended one day workshop on Online workshop on "HPTLC techniques and its applications in agriculture held during 03 Nov. 2020 organized by Department of Plant Molecular Biology & Biotechnology, ASPEE College of Horticulture and Forestry, Navsari Agricultural University, Navsari.
 - Dr. Jitendra Singh attended seven days Online Training programme on Essential of Bioinformatics held during 22-28 March 2021 organised by IDP-NAHEP and Sher-e Kashmir university of Science and Technology, Kashmir, Jammu and Kashmir.
 - Dr. Jitendra Singh attended twenty-one days Online training on Bacterial genomes: Accessing and analysing microbial genome data held during May 2020 organised by Wellcome genome campus advanced courses and scientific conferences.
 - Dr. Neelesh Kapoor attended one day Online workshop on "HPTLC techniques and its applications in agriculture held during 03 Nov. 2020 organised by Department of Plant Molecular Biology & Biotechnology, ASPEE College of Horticulture and Forestry, Navsari Agricultural



University, Navsari.

- Dr. Neelesh Kapoor attended fourteen days Faculty training entitled Application of molecular and bioinformatics tools in agriculture and allied sciences held during 11-24 Nov. 2020 organised by Centre of Excellence (CST, UP) & Bioinformatics Infrastructure Facility (DBT, New Delhi), College of Biotechnology, SVPUA&T, Meerut.
- Dr. Sandeep Kumar attended fourteen days Faculty training entitled Application of molecular and bioinformatics tools in agriculture and allied sciences held during 11-24 Nov. 2020 organised by Centre of Excellence (CST, UP) & Bioinformatics Infrastructure Facility (DBT, New Delhi), College of Biotechnology, SVPUA&T, Meerut.
- Dr. Amit Kumar attended 30 days training programme on online Lessons from Ebola: Preventing the next pandemic held during 01-30 April 2020 organized by Harvard University, Cambridge, UK.
- Dr. Amit Kumar attended 02 days SPARC-INDO-US Immunology workshop held during 12-13 June 2020 organized by IIT, Ropar and The George Washington University, USA.
- Dr. Amit Kumar attended 01 online workshop on scientific writing and research ethics for medical and clinical science community held during 19 Sept. 2020 organized by DBT/Wellcome Trust India Alliance.

Paper Presented in Seminar/ Symposium (Abstract):

- 1 Upadhyay, S., Bhordia, A., Kumar, A., Srivastava, M., Verma, A.K., Singh, J., Verma, H., and Kumar A. (2020). 16S rRNA based metagenomic investigation of the uterine bacterial microbiota, their prevalence and antimicrobial resistance pattern of isolates from the clinical cases of cattle mastitis. International web Conference on Global Research Initiatives for sustainable Agriculture and Allied Sciences (GRISAAS-2020) held during 28-30th December, 2020. pp 143.
- 2 Sharma, P., Yadav, S. K., Kumar, A., Singh, V. K., Singh, R., Pathak, V. and Swain, D. K. (2021). Deterimental effects of acrylamide induced toxicity on brain and its amelioration in wistar rats. International web Conference on Global Research Initiatives for sustainable Agriculture and Allied Sciences (GRISAAS-2020) held during 28-30th December, 2020. pp 136.
- 3 Bhordia, A., Upadhyay, S., Kumar, A., Singh, J.,

Kumar, R. and Verma, A.K. (2021). Cultural, morphological and biochemical characterization of bovine milk sample and comparison of microbiota in healthy and mastitic milk sample. International web Conference on Global Research Initiatives for sustainable Agriculture and Allied Sciences (GRISAAS-2020) held during 28-30th December, 2020. pp 251.

- 4 Maurya, S., Narang, R., Narang, P., Jain M., Kumar, A., Aseri, G.K., Yadav, P., Khare, N., Sharma, D., Singh D. and Sohal, J.S. (2020). Paraffin slide culture (PSC): A novel technique to isolate and characterize non-tuberculosis mycobacteria (NTM). International E-conference on Immunology in 21st Century for improvising one health by Society for Immunology and Immunopathology, India, held at SVPUAT, Meerut during 7-8 August, 2020. pp136.
- 5 Kaur, R., Jain M., Kumar, A., Sharma, D., Aseri, G.K., and Sohal, J.S. (2020). Discovery of phytochemicals with potential antiviral activity for COVID19 virus using in silico approach: a new avenue of antiviral antibiotics. International E-conference on Immunology in 21st Century for improvising one health by Society for Immunology and Immunopathology, India, held at SVPUAT, Meerut during 7-8 August, 2020. pp-179.
- 6 Jain M., Kumar, A., Polavarapu R., Sharma, D., Aseri, G.K., and Sohal, J.S. (2020). Development of novel penside antibody detection lateral flow assay based on specific biomarkers for rapid and onsite screening of paratuberculosis. International E-conference on Immunology in 21st Century for improvising one health by Society for Immunology and Immunopathology, India, held at SVPUAT, Meerut during 7-8 August, 2020. pp-180.
- 7 Jain M., Kumar, A., Polavarapu R., Sharma, D., Aseri, G.K., and Sohal, J.S. (2020). Recombinant Johnin (rJohnin) assay for the DTH based screening of paratuberculosis. International E-conference on Immunology in 21st Century for improvising one health by Society for Immunology and Immunopathology, India, held at SVPUAT, Meerut during 7-8 August, 2020. pp-181.
- 8 Suman et al (2020). Assessment of biofilm producing *Staphylococcus epidermidis* in skin and soft tissue infections in tertiary care hospitals. International E-conference on Immunology in 21st Century for improvising one health by Society for Immunology and Immunopathology, India, held at SVPUAT, Meerut during 7-8 August, 2020.



- 9 Mishra S., Kumar S., **Kapoor N.**, Sirohi A. and Yadav S. (2021). CRISPR tools for crop improvement. Global Approaches in Natural resources Management for Climate Smart Agriculture during pandemic era of COVID-19 organized by ATDS and Shobhit University, Meerut on Feb., 26-28, 2021 pp 273.
- 3 Singh, S. P., Barjendra, P., Singh, P.B., Sarashwat, S. K., Singh, Y.K., Mishra, M., Prakash, H.G., Rana, R., Bhati, H.P., Gaur, S. C., Kumar, A., Rajawat, B. S. and Ahmad, T. (2020). Global research initiatives for sustainable agriculture. International web Conference on Global Research Initiatives for sustainable Agriculture and Allied Sciences (GRISAAS-2020) held during 28-30th December, 2020. pp 5-12.

Lead papers presented in conferences

- 1 Rahal, A. and Kumar, A. (2020). Drug resistance : What can be the way forward. International web Conference on Global Research Initiatives for sustainable Agriculture and Allied Sciences (GRISAAS-2020) held during 28-30th December, 2020. pp 51-53.
- 2 Verma, A. K., Deepak, D., Kumar A. and Singh A. (2020). Foot and mouth disease: Current Indian scenario and control strategy. International web Conference on Global Research Initiatives for sustainable Agriculture and Allied Sciences (GRISAAS-2020) held during 28-30th December, 2020. pp 33-36.
- 4 Dr Rekha Dixit delivered lecture on "Genomic Approaches for Enhancing Phosphorus Use efficiency in crops" during Online Faculty Training on "Application of Molecular and Bioinformatic Tools in Agriculture and Allied Sciences" by Centre of Excellence in Agriculture Biotechnology Council of Science and Technology, UP and DBT funded BIF held from December 11-24, 2020.


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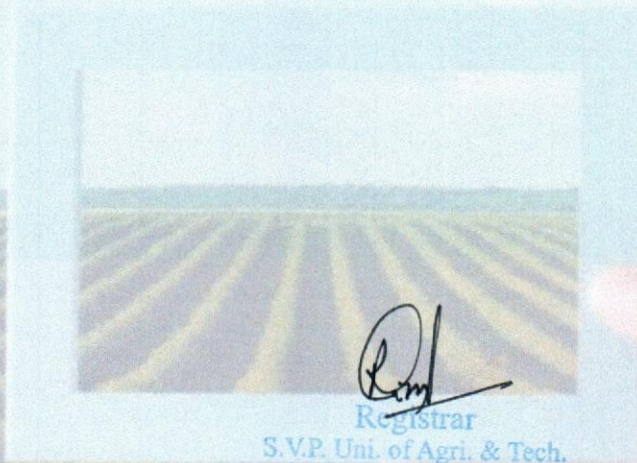
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SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE & TECHNOLOGY,
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वार्षिक प्रतिवेदन

ANNUAL REPORT



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मेरठ – 250110, उत्तर प्रदेश

SARDAR VALLABHBHAI PATEL UNIVERSITY OF AGRICULTURE & TECHNOLOGY,
MEERUT-250110 (U.P.)

2021-22



Annual Report 2021-22

Sardar Vallabhbhai Patel University of Agriculture and Technology,
Meerut-250110, U.P., India

Phone: 0121-2888503, 0121-2888522

Fax : 0121-2888505

Website : www.svbpmeerut.ac.in

Published By:

Prof. K. K. Singh

Vice-Chancellor

Sardar Vallabhbhai Patel University
of Agriculture and Technology,
Meerut-250110, U.P. India

Compiled and Edited By

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Meerut-250110 (U.P.)



SEMINAR, CONFERENCE, SYMPOSIA & WORKSHOP

COLLEGE OF AGRICULTURE

Agricultural Extension & Communication

International:

1. Participated in International Conference on entitled : Multidisciplinary Research and Innovative Practices organized J.S. University, Shikohabad, Firozabad (U.P.) held from 26th - 27th November, 2021 and paper presented on Constraints faced by guava orchardists in cultivation practices of guava in muzaffarnagar district of Uttar Pradesh. Authors : Shankar Dayal Bharti, R.N. Yadav, Ankit Singh Yadav.
2. Dr. L.B. Singh, Dr. R.N. Yadav and Dr. D.K. Singh participated in 4th Global Meet on Science and Technology for Staying healthy and feeding overgrowing population worldwide GMST-2020 (held during 12-13 September 2021).

National:

1. Dr. R.N. Yadav, Dr. D.K. Singh, Dr. L.B. Singh, Dr. Dan Singh and Dr. V.K. Singh participated in one day Seminar entitled on : "Agriculture Prosperous through Natural Farming" organized by S.V.P.U.A&T, Meerut hall on 28-06-2022.
2. Dr. R.N. Yadav, Dr. D.K. Singh, Dr. L.B. Singh, Dr. Dan Singh and Dr. V.K. Singh have participated on one day workshop on Entrepreneurship Development Organize by S.V.P.U.A&T, Meerut on 25-05-2022.

ANIMAL HUSBANDRY

National

1. Dr. D.S Sahu attended Xth International Conference and Symposium entitled Holistic approach to the meat food quality and safety in continuum from farm to fork organized by Indian Meat Science Association, held at SVP UA&T, Meerut from 25-27 November 2021

BASIC SCIENCE

International:

1. Dr. Rashmi (2021) attended online 20th Common Wealth Forestry Congress held at University of British Columbia, Vancouver, Canada from 16-18 August, 2021 and presented a research paper titled Indigenous Tree Borne oil seed: *Diploknema butyracea* (Cheura, The Indian Butter Tree).
2. Dr. Rashmi (2022) attended online XV World Forestry Congress building a Green, healthy and resilient future with Forests held at Republic of Korea from 2-6 May, 2022 and presented a research paper titled Indian Butter Tree: An excellent source of nutrition and livelihood generation.
3. Dr. Perna Sharma (2021) attended 27th International Conference of International Academy of Physical Sciences (RAMCO) during 26-28 October 2021 held at Central University, Kerala.

National:

1. Dr. Rashmi (2021) attended 20th Symposium on Phytochemistry and Ayurveda : Potential and Prospects held at Dehrdaun on 18th December, 2021.
2. Dr. Perna Sharma (2021) attended 23rd Annual conference of Vijnana Parishad on Recent development in Mathematics, Optimization and Computational Sciences from 6-10 September 2021 held at Bundelkhand University, Jhansi
3. Dr. Perna Sharma attended workshop on Vedic Mathematics during 4-5 September 2021, held at Bundelkhand University, Jhansi.
4. Dr. Vineeta Verma attended workshop on Involvement and Impact of Pollutants and Carcinogens in Food Chain organized by

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Innovation Grants (IG) National Agricultural Higher Education Project, ICAR, New Delhi and College of Biotechnology, Sardar Vallabhbhai Patel University of Agriculture and Technology, Meerut (U.P.) on 14 September, 2021 via online mode.

ENTOMOLOGY

International:

1. Participated in International Conference on Research Initiatives for Agriculture Biotechnology & Allied Sciences (ICRIABAS-2021) organized by IIMT University, Meerut and New Age Mobilization, New Delhi from 24-25 April-2021 at IIMT University, Meerut
2. Participated in International virtual seminar on artificial intelligence in agriculture, held Jan.,11-12,2021 organized by Department of Fingerprinting, College of Biotechnology, SVPUA&T-Meerut
3. Appointment as Minimizing Director 5th International conference on Advances in Smart Agriculture and Biodiversity Conservation for Sustainable Development (SABCD 2022) at JNU, Jaipur on dated (March 4 6, 2022.pp 257.

GENETICS & PLANT BREEDING

National

1. Dr. L.K.Gangwar, attended 60th All India Wheat & Barley Research workers' Meet in virtual mode during August 23-24, 2021 organized by ICAR-IIWBR, Karnal
2. Dr. L.K. Gangwar, participated in the NAAC Manthan 04-05 April, 2022 at APJ Abdul Kalam Technical University, Lucknow
3. Dr. S.K. Singh participated online zoom meeting on 'Inauguration virtual classroom and Agri-Diksha Eeb Education Channel (The feature of digital learning in

agriculture education) held on 16/04/21 organized by NAHEP, ICAR, New Delhi.

4. Dr. S.K. Singh participated online two days International Webinar on "Challenges in global research in agriculture and technology" held on 13-14/07/2021 organized by R.B.S. College Faculty of Agriculture Bichpuri Campus, Agra in collaboration with Indian Society of Genetics, Biotechnology Research and Development.
5. Dr. S.K. Singh participated online zoom meeting on 'Sustainable agriculture intensification for improving food security and climate resilience (ICAR Lecture Series # 21)' held on 13/08/21 organized by ICAR, New Delhi.
6. Dr. Atar Singh participated in One day Brainstroming Session and workshop on Involvement and Impact of pollutants and Carcinogens in Food Chain on September 14, 2021 at SVPUAT, Meerut
7. Dr. Atar Singh participated Natural Farming on 26.06.2022 at SVPUAT, Meerut

PLANT PATHOLOGY

National

1. Dr. Kamal Khilari participated in 8th international conference on " Plant Pathology: Retrospect and Prospect" organised by Indian Phytopathological Society New Delhi on dated 23 & 26 March 2022h. at SKN Agriculture University Jobner-Jaipur, Rajasthan.
2. Dr. Kamal Khilari Attended annual review meeting of AICRP (N) held at MPUA&T, Udaipur on 15 to 16 Sep. 2022

SOIL SCIENCE

National

1. Shahi, U.P., Singh, Dhyani, B.P., Singh, Rawal, Yadav, Ashok. (2022). Natural mineral nutrition of table and processing


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- potato in North India *In Extended Summaries: Annual Co-operators Conference, 17-18 October, ICAR-CRIDA Hyderabad, p7-9.*
- Shahi, U.P., Singh, Dhyani, B.P., Singh, Sisodia, Singh, T.A. Singh, K.K. (2022) "Medium range weather forecast verification for the Meerut region of western Uttar Pradesh, Extended Summaries, 5th International Agronomy Congress organized by The Indian Society of Agronomy, New Delhi PJTSAU, Hyderabad, Telangana, India November 23-27
 - Shahi U.P., presented paper on "Natural Mineral nutrition of table and processing Potato in North India " in Annual Co-operators' Conference organized by Anglo American Crop Nutrients Pvt Ltd in collaboration with ICAR- CRIDA Hyderabad during 17-18 October 2022.
 - Lecture delivered by Dr U.P. Shahi on 'Agriculture Waste/Crop Residues Burning Management for controlling Air Pollution' in on day 'Clean air workshop' organized by UPPCB Meerut on 25.11.2022.
 - Field experiment on Sugarcane under POLY4 Sugarcane project was visited by Dr Vipin Mishra, Head Agronomist Anglo American Crop Nutrients PVT Ltd and Scientists of project team.

COLLEGE OF BIOTECHNOLOGY

National:

- Dr Amit Kumar participated and presented oral paper in XXXIV Annual convention of Indian Association of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases held during 27-28th May, 2022 at LUVAS, Hisar Haryana.
- Dr Amit Kumar participated and organized 4th International Conference on ICAAAS held during 12-14th June at Himanchal

Pradesh University, Shimla as coordinator of the conference.

- Dr.Neelesh Kapoor and Dr. Naresh Pratap Singh participated as Co-Organizing Secretary of 5th International Conference on Advance in Smart Agriculture and Biodiversity Conservation for Sustainable Development, March 04-06, 2022, at JNU Jaipur.
- Dr. Amit Kumar participated as joint organizing secretary in International Conference of SIIP on Cow pathy.
- Dr. Amit Kumar participated as organizing coordinator in International conference GRISAAS-21.

COLLEGE OF VETERINARY & ANIMAL SCIENCES

Seminar, conference, symposia & workshop

Organized:

- 10th conference of IMSA (IMSACON-X) and International Symposium on "Holistic Approach to the Meat Food Quality and Safety Continuum from Farm to Fork" from 25th to 27th November, 2021 at Department of Livestock Products Technology, COVAS, SVPUAT, Meerut in collaboration of Indian Meat Science Association, Hyderabad.
- 01 day seminar cum brain storming session under ICAR-IG-NAHEP project for MVSc and PhD students of COVAS on 28.03.2022.
- Training programme of 'Multipurpose artificial insemination technicians in rural India (MAITRI)' under Rashtriya Gokul Mission, Department of Animal Husbandry, Dairying and Fisheries, Govt. of India, organized by SVPUAT, Meerut from March to June 2021.
- Training programme of 'Multipurpose artificial insemination technicians in rural India (MAITRI)' under Rashtriya Gokul Mission, Department of Animal Husbandry, Dairying and Fisheries, Govt. of India, organized by SVPUAT, Meerut

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from November 11, 2021 to March 16, 2022.

5. One day workshop on "Entrepreneurship Development" for students (UG, PG and PhD) and faculty of the SVPUAT on dated 25.05.2022 at Veterinary Clinical Complex, COVAS, SVPUAT, Meerut
6. Farmer's training on "Skill development cum entrepreneurship training programme on poultry production for rural farmers" sponsored by NABARD organized by COVAS, SVPUA&T from 21-28 February, 2022
7. One week goat farming training organized by SVPUA&T from 03-09 March, 2021
8. One week pig farming training organized by SVPUA&T from 21/03/2022 to 27/03/2022

ATTENDED

National:

1. Dr. Shailja Katoch attended international symposia on "Harnessing the potentials of genome editing tools to augment the productivity and health of farm animals" organized by Animal biotechnology Centre of ICAR- National Dairy Research Institute, Karnal on 19-20th July 2021
2. Dr. Prabhakar Kumar attended XXXV Annual Convention of Indian Association of Veterinary Anatomists & International Symposium on "Modern concepts in Anatomy: New Era Tools in health and Disease" at LUVAS, Hisar (Haryana) during 10th -12th March 2022
3. Dr. Shailja Katoch attended Word Zoonosis Day Webinar on "Preventing future zoonotic pandemics: Interventions at the wildlife-livestock-human interface" organised by ICAR-National Research Centre on Equines in collaboration with National Centre for Diseases Control and Indian Virological Society on 6th July 2021
4. Dr. Shailja Katoch attended National Webinar on "Important animal diseases and their control program in India" organised by ICAR Research Complex for Eastern Region, Patna on 23rd October 2021
5. Dr. Rajeev Singh attended and expressed view as scheduled in One Day Brainstorming session of National Academy of Dairy Sciences, India on "Potential of small ruminants in Dairying" held on 16.08.2021 (On line)
6. Dr. Rajeev Singh attended and was Panelist in One Day Brainstorming session of Association of Mastitis, National Academy of Dairy Sciences, India, NDRI, Karnal on the topic "Mastitis in Dairy Animals" held on 18.08.2021 (On line)
7. Dr. Rajeev Singh attended online in ICAR-NDRI India@75 Campaign-Aajadi ka Amrut Mahotsav held with inaugural lecture "Milk for All, there is No Alternative" 21.08.2021.
8. Dr Ameer Khan attended Workshop on entrepreneurship development on 25/05/2022 at Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110 UP,
9. Dr. Vineet Kumar attended 44th annual congress and national symposium of Indian Society for Veterinary Surgery, Pantnagar, India, February 24-26, 2022.
10. Dr. Vijay Singh, Professor & Head (Veterinary Gynaecology & Obstetrics) attended XXXVII Annual Convention of ISSAR and National symposium on "Optimizing animal reproduction through recent techniques of biotechnology, nutraceuticals and alternative medicine" from 16-18, November-2022 at College of Veterinary Science and Animal Husbandry, Jabalpur.
11. Dr. Manish Kumar Shukla, Associate Professor (Veterinary Gynaecology &