

SKUAST-Jammu List of Research Publications (2016).

1. Ahamad, Shahid., Lal,B; Sinha,A; Sharma,A. and Sharma, Jag Paul (2016). Impact of Plant Protection Activities on Production and productivity of Crops in Jammu Region (J&K), India. *Vegetos- An International Journal of Plant Research*. Vegetos 2016, 29:4 DOI: 10.4172/2229-4473.1000199.
2. Ahamad, Shahid; Lal, B and Sharma,A. (2016). Prevalence of Stripe Rust Disease In Wheat Under Rainfed Conditions In Jammu Region. *Asian Journal of Science and Technology*. Vol. 07, Issue, 12, pp.4007-4009, December, 2016
3. Ahamad, Shahid, Chisti, M.H., Bhusan,A. and Sinha, A.K. (2016). Fungicidal Management of Alternaria Leaf Blight Of Mustard In Foothills Of North Western Himalayas. *Asian Journal of Science and Technology*.Vol. 07, Issue, 12, pp.4004-4006, December, 2016
4. Ahmad, H., Mir, I. A., Sharma, D. Srivastava, K. Ganai, S. A. and Sharma, S. 2016. Seasonal incidence and management of wheat aphid *Sitobion avenae* (F). *Indian Journal of Entomology*. **78** (2): 148-152.
5. Ahmad, H., Mir, I. A., Sharma, D. Srivastava, K. Ganai, S. A. and Sharma, S. 2016. Effect of date of sowing on wheat aphid incidence. *Indian Journal of Entomology*. **78** (3): 284-287.
6. Ahlawat S, Chopra M, Jaiswal L, Sharma R, Arora R, Brahma B, Lal SV, De S. (2016). Exon skipping creates novel splice variants of DMC1 gene in ruminants. *Molecular and Cellular Probes*. 30(2):66-73. doi: 10.1016/j.mcp.2016.03.001.
7. Ahlawat S, Sharma P, Sharma R, Arora R, Verma NK, Brahma B, Mishra P and De S. (2016) Evidence of positive selection and concerted evolution in the rapidlyevolving PRDM9 zinc finger domain in goats and sheep. *Animal Genetics*. doi: 10.1111/age.12487.
8. Abrol, Vikas, Sharma, Peeyush, Maruthi, G.R., Sharma, Manish and Sharma, Vikas (2015). “Soil management effects on soil quality and crop performance in dry sub-humid inceptisols of India” *Indian Journal of Soil Conservation*.43 (1):47-57.
9. Bakshi, P.; Wali, V.K.; Jasrotia, A.; Iqbal, M.; Kour, K.; Ahmed, R. and Bakshi, M. 2015. Sustainable fruit production by soil moisture conservation with different mulches: A review. *African Journal of Agricultural Research*. **10**(52): 4718-4729.
10. Bhat, Anil, Kachroo, Jyoti, Sharma, Manish and Peshin, Rajinder (2015). “Constraints in Production and Marketing of Citrus Fruit in Jammu Region of J& K State”. *Economic Affairs*: 60(2):331-337.
11. Bhat, A.A. ; Kumar, Arvind and Kaur,M. 2016. Effect of clove oil on oxidative stability and microbial quality of almond and walnut enriched chevon nuggets. *Journal of Pure and Applied Microbiology*. 10(2): 1341-1349.
12. Brahma B,Patra MC, Mishra P, De BC, Kumar S, Maharana J, Vats A, Ahlawat S, Datta TK, De S. (2016). Computational studies on receptor-ligand interactions between novel buffalo (*Bubalus bubalis*) nucleotide-binding oligomerization domain-containing protein 2 (NOD2) variants and muramyl dipeptide (MDP).

Journal of Molecular Graphics & Modeling. 65:15-26. doi: 10.1016/j.jmkgm.2016.02.004.

13. Bhat, Asif Ahmad; Kumar, A. and Dua, Sourab 2016. Storage quality and oxidative stability attributes of almond (*Prunus dulcis*) fortified chevon nuggets.6 (4):367-370.
14. Baba, N.A., Raina, R., Verma, P.K., Sultana, M. (2016). Free radicals induced nephrotoxicity following repeated oral exposure of chlorpyrifos alone and in conjunction with fluoride in rats. *Turkish Journal of Medicinal Sciences.* 46:512-517.
15. Chauhan, Devendra K. ; J.A.Bhat, A. K. Thakur, Z. Husain and C.T. Satyavathi (2017) Understanding genetic relationship and population structure of Indian soybean varieties using microsatellite markers, Proceedings of the National Academy of Science India Section B; Biological Sci. Accepted: 12 January 2017
16. Dar, M.A., R. Raina, Mir AH, Verma PK, Pankaj NK, Sultana M. (2016) Protective role of L-ascorbic acid in oxidative stress induced by repeated oral administration of bifenthrin in wistar rats. *Journal of Animal Research* 6(1): 921-926.
17. Devi, J.; Bakshi, P.; Wali, V.K.; Kour, K. and Shjarma, N. 2016. Role of auxin and date of planting on growth of cutting raised plantlets of phalsa (*Grewia asiatica* L.). *The Bioscan.* 11(1): 535-537.
18. Dutta, D, Ahmad J A and Nashiruddullah, N. 2016. Recovery of different cumulus oocyte complex (COC) grades from bovine ovaries by aspiration method. *J A Res,* 5(3): 631-634.
19. Dutta, D, Ahmad, J.A., and Nashiruddullah, N. (2016). Comparative efficacy of antioxidant retinol, melatonin and zinc during in vitro maturation of bovine oocytes under induced heat stress. *Turkish J Vety and Anim Sci.,* 40: 365-373.
20. Dolkar, D.; Bakshi, P.; Wali, V.K. and Jasrotia, A. 2016. Rejuvenation of old mango orchards. In: *Tropical Fruits-From Cultivation to Consumption and Health Benefits: Guava and Mango.* Todorov, S.D. and Bogsan, C.S. (eds.). Nova Science Publishers, Inc., New York, U.S.A. pp. 79-90.
21. Ganie, L.A. ; Arvind Kumar, A.A. Bhat, D. Bhardwaj. 2016. Storage quality of fish ball prepared in various combinations of flours with and without addition of nisin at refrigeration temperature. *Journal of Food, Agriculture and Environment.* 14(2):44-48.
22. Ganie, L.A.; Arvind Kumar, D. Bhardwaj, S. Kumar. 2016. Efficacy of incorporation of combinations of rice (*Oryza sativa* L.) flour and Kidney bean (*Phaseolus vulgaris* L.) flours investigation on quality characteristics of low sodium fish balls. *Fleishwirtschaft International,* 3:74-77.
23. Gogna, N. ; Kumar, Arvind; Kaur, M. and Kumar, S. (2016). Efficacy of Tertiary Butyl Hydroquinone in enhancing shelf-life of chevon pickle. *The Indian Journal of Small Ruminants.* 22(2):213-217.
24. Gupta, A. K., Gupta, P., Kushwaha, R.B., Dwivedi, D.K. and Sharma, A. 2016. Gastro-intestinal obstruction by linear foreign bodies in dogs. *Indian Vet. J.,* 93 (06): 52 – 54.

25. Gupta, A.K., Kushwaha, R.B., Sharma, A., Bhadwal, M.S., Dwivedi, D.K. and Gupta, P. 2016. Perineal hernia and its surgical management in five dogs. *Indian J. Canine Pract.*, **8**(1): 38-40.
26. Gupta, A.K., Bhadwal, M.S. and Singh, Rajiv. 2016. Laparoscopic versus Ultrasound Guided Hepatic Biopsy in Dogs using Automated Biopsy Gun. *Indian Vet. J.*, **93**(07): 74 – 77.
27. Gupta, Neeraj; and V B Singh (2016). Preharvest foliar application of calcium chloride, bavistin and bayleton on post harvest life of aonla (*Emblca officinalis* Gaertn.) fruit. *Bangladesh Journal of Botany*, 45 (1): 211-219.
28. Jeelani, M.I., Bouza, C.N and Sautto, J.M. (2016). Efficiency of Rank set sampling in Horticultural surveys. *CADERNOS DO IME-Serie Estatistica*.38 (1) -37-48.
29. Jeelani, M.I., Mir, S.A., Khan, I., Nazir, N and Jeelani,F.(2015). Rank Set Sampling in Improving the Estimates of Simple Regression Model. *Pakistan Journal of Statistics and Operation Research*.11 (1), 39-45
30. Jeelani, M.I and Bouza, C.N.(2015). New Ratio Method of Estimation Under Rank Set Sampling. *Revista Investigacion Operacional*.36 (2), 318-323.
31. Kaur, M. ; Arvind Kumar, D. Bhardwaj, A.A. Bhat. 2016. Storage quality of fish ball prepared in various combinations of flours with and without addition of nisin at refrigeration temperature. *Journal of Food, Agriculture and Environment*. 14(2):49-53.
32. Kumar, N., Singh, S.P., Sharma, Manish, Sharma, Pawan and Singh, Harminder (2015). “An Economic analysis of okra cultivation in Jammu district of J&k state”. *Ecology, Environment and Conservation*.21 (1):403-405
33. Kuamr, Banti, Sharma, Manish, Rizvi, S.E.H and Singh S P (2015). “Impact of influential and outlier observations on the ordinary least square model for Indian agriculture workers”. *Ecology, Environment and Conservation* 21(2):949-956.
34. Khar, Shilpi, Kumar, Satesh, Samnotra ,RK, Kumar, Manoj, Chopra, Sandeep, Sharma, Manish Kumar and Gupta, Sachin (2015): “ Variability and Correlation Studies in Garlic (*Allium sativum L.*) Germplasm Collected from Different Parts of Jammu”. *Indian Journal of Plant Genetic Resources*: 28(2): 229-236.
35. Kumari, S.; Bhat, D.J.; Wali, V.K.; Bakshi, P. and Jasrotia, A. 2015. Physico-chemical studies of different ber (*Zizyphus mauritiana* Lamk.) germplasm under rainfed conditions of Jammu. *The Bioscan*. 10(3): 1427-1430.
36. Kumar, Vijay Sharma, VikasBhat, A.K. Gupta, Neeraj and Singh, V.B. (2016). Effect of Various Mulching on Soil Properties and Fruit Quality Attributes of Eureka lemon (*Citrus limonBurm*) In *kandi* area. *Indian Journal of Ecology*, (Special Issue-1): 238-241.
37. Kumar, Vijay; Rakesh Kumar, V.B. Singh, K.R. Sharma, Ajay Kumar, Neeraj Sharma, Anamika Jamwal, Satbir Singh, Sonika Jamwal, Manoj Kumar, Shalini Khajuria and Rohit Kumar Arora (2016). Soil management options for improving physical atmosphere for sustainable agriculture production: a review, *International Journal of Agriculture Sciences*, 8 (57): 3101-3105.
38. Kumar, Rakesh; Parshant Bakshi, Jagpal Sharma, V B Singh and Sushil Sharma (2016). Red fleshed guava enriching its germplasm. *Indian Horticulture*, **61** (5): 13.

39. Kour, S., Masud, S and Khan, A. (2016) "Effect of organic manure and inorganic fertilizer on the growth and proximate composition of common carp, *Cyprinus carpio*" J Environmental Biology. **37** (1): 149-53.
40. Kumar, Vijay Sharma, VikasBhat, A.K. Gupta, Neeraj and Singh, V.B. (2016). Effect of Various Mulching on Soil Properties and Fruit Quality Attributes of Eureka lemon (*Citrus limon*Burm) In *kandi* area. *Indian Journal of Ecology*, (Special Issue-1): 238-241.
41. Khan, A., Azmi, S., Taggar, R. K. and Chakraborty, D. (2016). "Perspectives on the constraints, opportunities and issues regarding migratory goats in temperate India with special reference to *Bakerwali* goat of J & K. In, *Proc. 2nd National SOCDAB Conference*, 19-21, ., 2013 held at SKUAST –J, J&K, Suppl: S228.
42. Konwar, D., Keshab barman and Jafrin Ara Ahmed. 2016. Physiological, hemato-biochemical and hormonal response of heat stressed ruminants with ascorbic acid supplementation. *The North East veterinarian*. XVI(1): 23-25
43. Lal S.V., Mukherjee A, Brahma B, Gohain M, Patra MC, Saini SK, Mishra P, Ahlawat S, Upadhyaya RC, Datta TK, De S. (2016). Comparison of copy number of HSF genes in two buffalo genomes. *Animal Biotechnology*. **27**(3):141-7. doi:10.1080/10495398.2015.1135807.
44. Lal, Banarsi; Tandon, V. and **Ahamad, Shahid** (2016). Constraints identified in rearing of the live stock in hilly areas. *Research in Environment and life science*. **9**: 561-562.
45. Lal,B.; **Ahamad,Shahid**. and Tondon,V.(2016). Impact of Vocational Training Programmes on Income of the Rural Youth. *JCS, Vol XXXIV*. 69-72 pp.
46. Mahajan,D.; Bhat, Z. F. and Kumar, Sunil(2016). Pine needles (*Cedrus deodara* (Roxb.) Loud.) extract as a novel preservative in cheese. *Food Packaging and Shelf Life* **7**: 20-25.
47. Mallick, S.A, Priya kumari, Moni Gupta, and Sachin Gupta (2016) Augmentation of biochemical defence against *Alternaria* blight of mustard by induction of drought stress. *Journal of Plant Pathology*, (accepted).
48. Rani, S.; Sharma, A.; Wali, V.K.; Bakshi, P. and Illyas, M. 2015. Standardization of best soil media and time of guava propagation through cuttings under Jammu sub-tropics. *The Bioscan*. **10**(3): 991-1001.
49. Rai, G.K., Jamwal, D., Singh, S., Parveen, A., Kumar, R.R., Singh, M., M, Rai, P.K. and Salgotra,R.K.(2016) Assessment Of Genetic Variation In Tomato (*Solanum Lycopersicum* L.) based on quality traits and molecular markers. *SABRAO Journal of Breeding and Genetics* **48** (1) 80-89.
50. Rai GK., Jamwal D, Singh S, Singh M, Kumar RR, Salgotra RK and Rai, P.K. (2016) Electrophoretic characterization of tomato (*Solanum lycopersicum* l. Mill.) using SDS-PAGE. *Environment & Ecology* **34** (4) : 1399-1403
51. Reen; Tyagi,K.;Sinha, B.K.Rai, P.K.; and Jamwal,S. 2016. Gall thrips infesting *Terminalia chebula*- one of the most important medicinal plants of Jammu and

52. Saswat, Mahapatra Puspendra; Singh R, Kumar K, Sahoo N R, Agarwal P, Mili B, Das K, Sarkar M, Bhanja S K, Das B C, Dhara S K and Bag S. (2016). Valproic acid assisted reprogramming of fibroblasts for generation of pluripotent stem cells in buffalo (*Bubalus bubalis*). *Int J Dev Biol.*, doi: 10.1387/ijdb.160006sb.
53. Sharma, V. (2016). Exploring *in vitro* anti proliferative efficacy of Jammu Botanicals. *International Journal of Plant Sciences*, 11 (1): 60-64
54. Sharma, A. Kushwaha, R.B., Gupta, A.K., Bhadwal, M.S., Gupta, P. and Dwivedi, D.K. 2016. Mammary gland tumors in dogs- a report of ten cases. *Indian J. Canine Pract.*, 8(1): 58-60.
55. Sharma, H.K.; S.K.Kotwal, D.K.Singh, M.A.Mallik, Arvind Kumar, R.Katoch and M.Singh.2016. Seroprevalence studies on Brucellosis in goats of Jammu region. *The Indian Journal of Small Ruminants*.22(2):198-201.
56. Sharma H. K., S. K. Kotwal, D. K. Singh, M. A. Malik, Arvind Kumar, Rajagunalan and M. Singh.2016. Seroprevalence of human brucellosis in and around Jammu, India, using different serological tests. *Veterinary World*, 9(7): 742-746.
57. Sharma, Manish, Kumar, Banti, Bhat, Anil, Jeelani, Iqbal M. and Mahajan, Sunali (2016). Robust Regression Model to Study the Number of Indian Agriculture Workers. *Indian Journal of Ecology*. 43(Special Issue1): 599-601.
58. Singh, R., Beigh, S.A, Sharma, Manish, Singh, V.P. and Singh, A. (2015). "Trace Mineral Status Of Rambouillet Crossbred Sheep In Shivalik Hills Of Jammu". *The Indian Journal of Small Ruminants* 2015, 21(2): 253-256
59. Singh, P. and Kumar, Arvind. 2016. Quality attributes of chevon meat patties substituted with rabbit meat. *The Indian Journal of Small Ruminants*.22(2):206-212.
60. Sajgotra,M. and Bali, R.K.(2016). Evaluation and identification of potential bivoltine silkworm hybrids of *Bombyx mori* L. pp396-399. *Indian Journal of Ecology*.
61. Sajgotra,M. and Bali, R.K.(2016). Expression of heterosis in bivoltine silkworm hybrids of *Bombyx mori* L. for silk yield contributing traits under sub-tropical conditions. pp258-262. *Int.J. Bio-resource and Stress Management*.
62. Sharma, Peeyush, Abrol, Vikas, Sharma, K.R., Sharma , N., Phogat, V.K. and Vikas, V. 2016. Impact of Conservation Tillage on Soil Organic Carbon and Physical Properties –a Review. *International Journal of Bio-resource and Stress Management* 7(1):151-161.
63. Sharma, R.M., Kour, K., Bandral, J.D., Singh, B., Rana, J.C. and Jamwal, M. 2016. Analysis and utilization of genetic diversity of 'Ambri' apple (*Malus × domestica*Borkh.) in Jammu region. *Indian Journal Horticulture*, 73(1): 1-7.

64. Sharma, R.M., Kour, K., Bandral, J.D., Singh, B., Rana, J.C. and Jamwal, M. 2016. Analysis and utilization of genetic diversity of 'Ambri' apple (*Malus × domestica* Borkh.) in Jammu region. *Indian Journal Horticulture*, 73(1): 1-7.
65. Sharma, R.M. ; K. Kour, Julie D. Bandral, B. Singh, J.C. Rana and M. Jamwal (2016). Analysis and utilization of genetic diversity of 'Ambri' apple (*Malus × domestica* Borkh.) in Jammu region. *Indian J. Hort.* 73(1) : 1-7.
66. **S.K.Singh** ,B.S.Jamwal, V.K.Razdan, V.B.Singh and A.K.Singh(2016). Status of nodulation and mycorrhizal association in blackgram (*Vigna mungo*) and its effect on severity of root rot and web blight diseases under different soils in Jammu subtropics . *Indian Phytopathology*. 69 (2) : 195-197.
67. Sinha,A.K., Shrivastava, A.K., Gautam, A.K. and Ahamad, Shahid (2016). Status and Utilization of Tractor Power in Mahakoshal Region, MP, India. *Vegetos- An International Journal of Plant Research*. Vegetos 2016, 29:4 DOI: 10.4172/2229-4473.1000163
68. Sinha,A.K.,Shrivastava,A.K.; Gautam,A.K. and Ahamad, Shahid. (2016). A decision Support System for Farm Mechanization with the Use of Computer Modeling for Soybean-Wheat Crop Rotation. *International Journal of Innovative Sciences Engineering & Technology*. Vol. 3 Issue 7, July 2016 ISSN (Online) 2348 – 7968 |
69. Sinha,A.K.; Shrivastava,A.K.; Gautam,A.K. and Ahamad, Shahid (2016). Selection of stationary power for soybean-wheat cropping system by using a computer programme. *International Journal of Agriculture Sciences*. Volume 8, Issue, 54,
70. Verma PK, Raina R, Sultana M, Singh M, Kumar P. (2016). Acetaminophen Induced Oxidative and Histopathological Alterations in Hepatic Tissue: Protective Effects of *Alstonia Scholaris* Leaf Extracts. *Pharmacognosy Journal*. 8(4): 385-391.
71. Verma PK, Raina R, Sultana M, Singh M, Kumar P. (2016). Total antioxidant and oxidant status of plasma and renal tissue of cisplatin-induced nephrotoxic rats: Protection by floral extracts of *Calendula officinalis* Linn. *Renal Failure* 38:142-50.
72. Wang, J., Guleria, S., Koffas, M.A.G., Yan, Y. (2016). Microbial production of value-added nutraceuticals. *Current Opinion in Biotechnology*. 37, 97-104.
73. Wali Anshu, Gupta M, S.A. Mallick, Guleria S and Sharma Manish. (2015). Antioxidant potential and phenol profile of bael leaf (*Aegle Maemelos*). *Indian J Agric biochem* 28(2):138-142.
74. Wani, Fehim Jeelani, Rizvi, S.E.H. and Sharma, Manish (2015). Statistical Modelling for Fodder Yield estimation of *Grewia Optiva* in Jammu Shiwaliks. *Int. J. Agricult. Stat. Sci.* 11(S1) 139-142.
75. Wali, V.K.; Bakshi, P.; Jasrotia, A. and Bhat, D.J. 2016. Present Scenario and Prospects of Horticulture Industry in India-An overview. In: *International Conference on Natural Resource Management, Ecological Perspectives*” organized by Indian Ecological Society held on 18th-20th February, 2016. pp. 18-23.

76. Vaishnav, P., Kaul, V. and Bhagat, R. M. and Sharma, D. 2016. Effect of host plants on ecological life table parameters of *Pieris brassicae* L. *Indian Journal of Ecology*. 43(1) : 494-499
77. Verma, V. ; Thakur, A. K; Singh, B. K.; Chauhan, D. K. ; Singh, K. H. and Chauhan, J. S. (2016). Assessment of genetic fidelity in *in-vitro* regenerated plants of *Brassica juncea* (L.) Czern & Coss. using RAPD and ISSR markers Indian J. of Biotechnology Vol. 15 Jan. pp 120-123
78. Thakur K, Tomar SK, Brahma B, De S. (2016) Screening of riboflavin-producing lactobacilli by a polymerase-chain-reaction-based approach and microbiological assay. *ACS Journal of Agriculture & Food Chemistry*. 64(9):1950-6. doi: 10.1021/acs.jafc.5b06165.
79. Yasotha, T.; Kumar, M.; Kumar, K., Singh. R., Das, B.C.; Sarkar, M., Mahapatra, P. S., Dhara, S., and Bag, S. (2016) Generation and characterization of induced pluripotent stem cells in domestic Asian water buffalo (*Bubalus bubalis*). *Int J Stem Cell Res Transplant.*, **04**(5):182-189.
80. Zargar R., Rastogi A, Koul AL, Khajuria P, Ganai A F, Kour S, and Raghuwanshi P. 2016. Protective and ameliorative effect of seabuckthorn leaf extract supplementation on lead induced haemato-biochemical alterations in wistar rats. *Vety World*, **9**(9): 929-934.

Books :

1. B. Lal, **Shahid Ahamad** and Deepak De (2016). **Modeling in Communication behaviors of Farmers**, Published by Astral International Publisher, New Delhi.
2. Abrol, D P. and Thakur, R. K. 2016. **Recent Advances in Pollination Biology**. Kalyani Publishers-New Delhi.
3. Abrol, D P. 2016. **Integrated Pest Management in the Tropics**. NIPA publication, New Delhi.
4. Sharma, N; Wali, V.K. and Bakshi, P. 2016. **Biometrical methods in Horticulture**. New India Publishing Agency, New Delhi. pp. 184.
5. Iqbal, M.; Bakshi, P. and Wali, V.K. 2016. **Mulching in aonla: Influence of organic and inorganic mulching on tree growth, yield and fruit quality of aonla**. *LAP Lambert Academic Publishing AG & Co. KG.*, Germany. pp. 104.