

Publications (2014-15)

Research Papers

1. Abraham A, SK Giri, MK Tripathi, R Singh, WE Devi and V Shukla. 2014. Optimization of fermentation conditions for the development of probiotic soymilk using *Lactobacillus paracasei* 013 Strain. International Journal of Research in Engineering & Advanced Technology, 2(3): 1-8.
2. Agrahar-Murugkar D, P Gulati, N Kotwaliwale and C Gupta. 2014. Evaluation of nutritional, textural and particle size characteristics of dough and biscuits made from composite flours containing sprouted and malted ingredients. JFST, DOI: 10.1007/s13197-014-1597-y.
3. Agrahar-Murugkar D, P Gulati, N Kotwaliwale, C Gupta, SK Chakraborty and Aiman. 2015. Optimization of nutritionally rich instant porridge with sprouted legumes, malted millets and papaya and its comparison with conventional porridge in terms of textural, rheological and particle size properties. International Journal of Food and Nutritional Sciences (IJFANS), 4(1):49-58.
4. Agrahar-Murugkar D. 2015. Effect of different process parameters on the quality of soymilk and tofu from sprouted soybean. Journal of Food Science and Technology, 52(5): 2886-2893.
5. Ambrose DCP and SJK Annamalai. 2013. Development and performance evaluation of continuous type root vegetable washer. Madras Agric. J., 100(7-9): 774-776.
6. Ambrose DCP and R Naik. 2014. Studies on the mechanical drying of curry leaf. International Journal of Processing & Post Harvest Technology, 8 (1): 8-11.
7. Balasubramanian S, D Apramita, KK Singh, JD Bosco and MM Ashish. 2014. Application of glass transition in food processing. Critical Reviews in Food Science and Nutrition, DOI:10.1080/10408398.2012.734343.
8. Balasubramanian S, MG Jincy, M Ramanathan, P Chandra and SD Deshpande. 2015. Studies on millet idli batter and its quality evaluation. International Food Research Journal, 22 (1): 139 –142.
9. Balasubramanian S, MG Jincy, M Ramanathan, P Chandra and SD Deshpande. 2015. Studies on millet *idli* batter and its quality evaluation. International Food Research Journal, 22(1): 128-131.
10. Balasubramanian S, M Swapnil, Meshram and Vikash Shukla. 2015. Studies on physical properties of soybean seed and splits as influenced by moisture content. The Allahabad Farmer. LXX (2).
11. Balasubramanian S and R Viswanathan. 2014. Studies on compaction behavior of composite flours during uniaxial compression process of pasta making. Advances in Applied Research, 6(1):15-21.
12. Byale NA, VD Patil and BM Nandede. 2014. Influence of fertilizers on chlorophyll and anthocyanin pigments in Btcotton. Bioinfolet, 11 (3A): 735 – 737.

13. Byale NA, VD Patil and, BM Nandede. 2014. Effect of fertilizers on the yield of bt cotton under rain-fed condition. *Bioinfolet*, 11 (3A): 738 – 739.
14. Chakraborty SK, DS Singh and BK Kumbhar. 2014. Influence of extrusion conditions on the colour of millet-legume extrudates using digital imagery. *Irish Journal of Agricultural and Food Research*, 53(1): 65–74.
15. Chandel NS, VK Tewari, M Kumar and KR Jha. 2015. Development of a self-propelled jute seed drill cum rural cum transport. *Agricultural Mechanization in Asia, Africa, and Latin America*, 46(1): 7-13.
16. Dhakad MS, KVR Rao, KP Mishra and SK Verma. 2014. Economic feasibility of mole drains for soybean crop. *Green Farming*, 5(6): 1146-1149.
17. Dhakad SS, KVR Rao, V Agrawal and SK Verma. 2014. Effect of different mole drain spacings on the growth characters and yield of soybean in Raichur district of MP. *Research in Environment and Life Sciences*. 7(1): 23-25.
18. Dubey AK, MM Selvan and M Shyam. 2015. Biomass conversion for energy carriers: An analytical review on future issues for rural application in India. *Agricultural Mechanization in Asia, Africa and Latin America*, 46(1):43-47.
19. Gangil S. 2014. Distinct splitting of polymeric cellulosic signals in cashew shell: a TG-diagnosis. *Cellulose*, 21(4):2913-2924.
20. Gangil S. 2015. Benefits of weakening of thermo-gravimetric signals of hemicellulose and lignin for producing briquettes from soybean crop residue. *Energy*, 81: 729-737.
21. Gangil S. 2015. Superiority of intrinsic biopolymeric constituents in briquettes of lignocellulosic crop residues over wood: A TG-diagnosis. *Renewable Energy*, 76:478-483.
22. Guru PK, PS Tiwari and RK Naik. 2014. Physical properties of seeds and its effect on seed drill performance. *International Journal of Agricultural Engineering*, 7(1): 152-155.
23. Kaledhonkar MJ, SK Gupta, CK Saxena, DP Sharma and A Kumar. 2013. Emerging issues due to adoption of submersible pump technology in marginal quality areas of Haryana. *Journal of Agricultural Engineering*, 50(4): 58-64.
24. Kalyani G, S Balasubramanian and P Chandra. 2015. Plant based butters. *Journal of Food Science and Technology*, DOI: 10.1007/s13197-014-1572-7.
25. Khardiwar M, AK Dubey, D Mahalle and S Kumar. 2014. Performance of open core gasifier with briquettes of different crop residues. *International Journal of Engineering Science & Research Technology*, 3(5): 833-840.
26. Khardiwar M, AK Dubey, D Mahalle and S Kumar. 2014. Study on physical and chemical properties of crop residue briquettes for gasification. *American Journal of Energy Engineering*, 2(2): 51-58.
27. Khare AK, AK Biswas, S Balasubramanian, MK Chatli and J Sahoo. 2014. Optimization of meat level and processing conditions for development of chicken meat noodles using response surface methodology. *Journal of Food Science and Technology*, 10.1007/s13197-014-1431-6.
28. Kollah B, G Dubey, P Parasai, JK Saha, S Gangil and, SR Mohanty. 2015. Interactive effect of biochar size and organic amendments on methane consumption in a tropical vertisol. *Soil Use and Management*, DOI: 10.1111/sum.12168.

29. Kulkarni SD. 2014. Defatted soyflour in bakery products - Potential Vehicle for nutrition improvement and entrepreneurship. *Processed Food Industry* (June 2014). 17(8):21-24 & 26.
30. Malviya N, MK Yadav, MK Tripathi, BK Sarangi and D Yadav. 2014. Environmental concerns for transgenic Plants: An Overview. *Octa. J. Biosci*, 2(2): 86-90.
31. Mandal S, A Kunmar, RK Singh and SV Ngachan. 2014. Road Map for farm mechanization in Assam state. *Indian J. of Hill Farming*, 27 (1):51-61.
32. Mandal S, BC Verma, GI Ramkrushna, RK Singh and DJ Rajkhowa. 2015. Characterization of biochar obtained from weeds and its effect on soil properties of North Eastern Region. *J of Environmental Biology*, 36(2): 499-505.
33. Mangaraj S, TK Goswami and PV Mahajan. 2014. Development and validation of a comprehensive model for MAP of fruits based on Enzyme kinetics theory and Arrhenious relation. *Journal of Food Science and Technology*, DOI: 10.1007/s13197-014-1364-0.
34. Mangaraj S, TK Goswami and DK Panda. 2014. Modeling of gas transmission properties of polymeric films used for MA Packaging of fruits. *Journal of Food Science and Technology*, DOI: 10.1007/s13197-014-1682-2.
35. Mehta CR, NS Chandel, T Senthilkumar and KK Singh. 2014. Trends of Agricultural mechanization in India, Policy Brief and Issue no.2. 2014. Published by United Nations, Centre for Sustainable Agricultural Mechanization.
36. Mehta CR, NS Chandel and T Senthilkumar. 2014. Status, challenges and strategies of farm mechanization in India. *Agricultural Mechanization in Asia, Africa and Latin America*, 45(4): 43-50.
37. Muthamilselvan M, R Naik, SJK Annamalai and V Kumar. 2014. Wet banana pseudostem chipper for compost industry. *ICAR News*. 20(1): 8, 10.
38. Nandede BM, H Raheman and GVP Kumar. 2014. Standardization of potting mix and pot volume for the production of vegetable seedlings in paper pot. *Journal of Plant Nutrition*, 37:1214-1226.
39. Nandede BM, H Raheman and HV Deore. 2014. Selection of suitable furrow opener and furrow closer for vegetable transplanter. *Agricultural Mechanization in Asia, Africa and Latin America*, 45 (2):40-47.
40. Nayak AK and KVR Rao. 2014. Estimation of wind load on a greenhouse and evaluation of its structural stability. *International J. Agric. Engg.* 7 (2): 461-466.
41. Nayak AK. 2014. Evaluation of variation of instantaneous velocity and Reynolds stress due to spherical obstruction in a fluid flow. *International J. Agric. Engg.*, 7(2): 432-435.
42. Nevase SS, CN Gangde, S Gangil and AK Dubey. 2014. Investigation on performance and emission from genset after supplementing liquefied petroleum gas with producer gas. *International Journal of Agricultural Statistics Science*, 10(1): 259-264.
43. Nevase SS, CN Gangde, S Gangil and AK Dubey. 2014. Comparative study of producer gas and LPG based Power Plant. *The Ecoscan*. 8 (1&2): 115-119.
44. R S Singh, Surendra Singh and S P Singh. 2015. Farm Power and Machinery Availability on Indian Farms. *Agricultural Engineering Today*, 39 (1): 45-56
45. Saxena CK, SK Gupta, PC Purohit and SR Bhakar. 2015. Salt water dynamics under point source of drip irrigation. *Indian Journal of Agricultural Research*, 19(2): 101-113.

46. Selvan M, SJK Annamalai, K Katrivel and S Thambidurai. 2014. Human factors intervention and design improvement of manual single row conoweeder for gender neutrality in lowland rice. *Agricultural Mechanization in Asia, Africa and Latin America*, 45(4): 51-57.
47. Selvan M M, SJK Annamalai, N Thavaprakash and D Anathakrishnan. 2014. Design and development of three row improved pull type rice transplanter for small farms. *The Indian Journal of Agricultural Sciences*, 84(11):1422-1427.
48. Selvan MM, SJK Annamalai, K Kathirvel and S Thambidurai. 2014. Human factors intervention and design improvement of manual single row conoweeder for gender neutrality in low land rice. *Agricultural Mechanization in Asia, Africa and Latin America*, 45(4): 51-57.
49. Selvan MM, AK Dubey and KC Pandey. 2014. Advantaged performance of tractor engine fuelled with dewaxed degummed jatropha oil on long run evaluation under loads. *The Indian Journal of Agricultural Sciences*, 84(1):131-36.
50. Singh D and DP Mondal. 2014. Effect of quenching - tempering process and shot peening intensity on wear behaviour of SAE-6150 steel. *Indian Journal of Engineering & Materials Science*, 22: 168-178.
51. Singh D, KP Saha and DP Mondal. 2014. Effect of heat-treatment under changeable applied load on wear response of agricultural grade medium carbon steel: A multiple range analysis. *Agricultural Engineering*, Vol. 39 (4): 1-10.
52. Singh R, S K Giri and and KVR Rao. 2014. Respiration rate model for mature green capsicum (*Capsicum annum* L.) under closed aerobic atmospheric conditions. *Croatian Journal of Food Science and Technology*, 6 (2):110-115
53. Singh RC and CD Singh. 2014. Design and development of an animal drawn farmyard manure spreader. *African Journal of Agricultural Research*, 9 (44): 3245-3250.
54. Singh RC, S Lenka and CD Singh. 2014. Conservation tillage and manure effect on soil aggregation, yield and energy requirement for wheat (*Triticum aestivum*) in vertisol. *Indian Journal of Agricultural Sciences*, 84 (2): 267-71.
55. Singh RC, D Singh, CD Singh and V Gonjari. 2015. Yield response to bed sowing of soybean and wheat crop in zero tillage with crop residue. *Green Farming*, 6(1): 55-59.
56. Singh RS, K Singh and A Dubey. 2014. Custom Hiring Business Model and Decision Support System of Agricultural Machinery. *Agricultural Engineering Today*, 38 (4): 31-36.
57. Singh S, RS Singh and SP Singh. 2014. Farm Power Availability on Indian Farms. *AET*, 38 (4): 44-52.
58. Tiwari PS, MM Pandey, LP Gite and AK Shrivastava. 2014. An ergonomic intervention in operation of a rotary maize sheller. *Indian Journal of Agricultural Sciences*, 84(7): 791-5.
59. Tiwari PS, MM Pandey, LP Gite and AK Shrivastava. 2014. Development of a dynapod for occupational activities in agriculture. *Journal of Agricultural Engineering*, 51(4): 33-39.
60. Tripathi MK and G Mittal. 2014. Effect of soaking on composition of soymilk. *Medicinal Plant-International Journal of Phytomedicines and Related Industries*, 6(2):108-113.

61. Tripathi L, AK Choubey, AK Dubey, PL Singh and S Gangil. Significance of bio-mass in reduction of global warming. *Anusandhan Journal*, 3(5):1-5.
62. Tripathi L, AK Mishra, AK Dubey, CB Tripathi. 2015. Biomass an alternate of coal. *Indian Journal of Applied Research*, 5(1):61-63.
63. Tripathi L, AK Mishra, AK Dubey, CB Tripathi. 2015. Water Pollution through Energy Sector. *International Journal of Technology Enhancements and Emerging Engineering Research*, 3(3):92-96.
64. Tripathi MK and SK Giri. 2014. Probiotic functional foods: Survival of probiotics during processing and storage. *Journal of Functional Foods*, 9:225-241.
65. Veenadhari S, CD Singh and BMishra. 2014. Machine learning approach for forecasting crop yield based on climatic parameters. *Computer Communication and Informatics (ICCCI)*: 2:1-5.

Books

1. Ali Nawab and S Mangaraj. 2014. *Principles and Practices of Agricultural Processing*. Satish Serial Publication, New Delhi. Total Page: 542, ISBN No.: 978-93-81226-94-0.
2. Mangaraj S. and Nawab Ali. 2015. *Concepts and Terminology in Agricultural Processing*. Satish Serial Publishing House, New Delhi. Total page: 295, ISBN No.: 978-93-84053-07-9.
3. Mangaraj S, RT Patil and P Chandra. 2014. *Agro Processing and value addition for Entrepreneurship Development*. Satish Serial Publishing House, New Delhi. India. Total page: 408, ISBN No.: 978-93-81226-90-2.
4. Senthilkumar T, SJK Annamalai and Ravindra Naik. 2014. *Agricultural mechanization schemes of Govt. of India (Tamil)*, Booklet published by Agricultural Machinery Manufacturers Tamil Nadu chapter.
5. Singh Surendra and RS Singh. 2014. *Energy in Production Agriculture*. Published by DKMA, ICAR, New Delhi. ISBN No.: 978-81-910-388-5-9.
6. Singh RC. 2014. *Conservation Agriculture Technology: Energy and Environment*. Jaya Publishing House, Dilshad Garden, Delhi, pp: 350, ISBN No.: 978-93-82471-68-4.
7. Singh RC. 2014. Role of farm machinery in success of CA. A chapter in the book "Conservation Agriculture for Carbon Sequestration and Sustaining Soil Health". New India Publishing Agency, New Delhi, pp: 371-390, ISBN No.: 978-93-83305-32-2.
8. Tripathi MK. 2013. *Soy Food Analysis: Analytical and Molecular Approach*. Lap Lambert Academic Publishing, Germany. Total page: 328, ISBN No.: 978-3-65946088-3.

Book Chapters

1. Chakraborty S, RKS Tomar and SK Chakraborty. 2014. Drudgery reduction of farm women in groundnut shelling. In: Technologies for Sustainable Rural Development – Having Potential for Social Economic Upliftment (Ed. JP Shukla). Allied Publishers Pvt. Ltd., New Delhi. pp: 13-18, ISBN No.: 978-81-8424-862-3.
2. Chourasia MK, TK Goswami and S Mangaraj. 2014. Processing of Potato for Value Additions and Supply Chain. In: Agro Processing and value addition for Entrepreneurship Development (Eds. Mangaraj S, Patil RT and Chandra P, 2014). Satish Serial Publication, New Delhi, pp: 271-288, ISBN: 978-93-81226-90-2.
3. Deshpande SD. 2014. Application of Modified Atmosphere Packaging for Extension of Shelf-Life of Food Commodities. In: Polymers for Packaging Applications (Eds. Sabu Thomas, Sajid Alavi, KP Sandeep, Nandakumar Kalarikkal, Jini Varghese and Yaragalla Srinivasarao). Book Chapter in Section 4, Chapter 15, pp: 381 – 394, Apple Academic Press Inc., USA.
4. Dawn CP Ambrose and CT Devadas. 2014. Corrugated Fibre Board Boxes from Non-wood Fibre. Scholars Press, Germany.
5. Naik Ravindra, Dawn CP Ambrose and V Krithika. 2014. Role of Silicone membrane for increasing shelf life of perishables- A case study. Elsevier publication. National Conference on packaging Technology to Hasten Emergency Food Relief. Page 87-95.
6. Nath A, S Mandal, RK Singh, BC Deka and SV Ngachan. 2015. Ascorbic acid, β -carotene and Antioxidant Activity of Broccoli during Short-term Refrigerated Storage. In: Processing and Impact on Active Components in Food, Ed: Victor R Preedy, Academic Press, James town Road, London, UK. pp: 27-34.
7. Rao KVR, R Keshri, S Simaya and L Chourasia, 2014. Techno-Economic study of paddy crop performance under drip and conventional irrigation .In: Technologies for sustainable rural development-having potential of socio-economic upliftment edited by Shukla JP, Allied publishers. 212-218.
8. Singh RC 2014.Role of farm machinery in success of CA. In: Conservation Agriculture for Carbon Sequestration and Sustaining Soil Health (Eds. J Somasundaram, RSChaudhari, A Subba Rao, KM Hati, NK Sinha and MVCoumar), New India Publishing Agency, New Delhi, pp: 371-390, ISBN No.: 978-93-83305-32-2.
9. Singh KP 2014. Evaluation of conservation agriculture machinery on carbon emission: A case study, Conservation Agriculture for Carbon Sequestration and Sustaining Soil Health. New India Publishing Agency, ISBN No.: 978-93-83305-32-2, 392-401.

Popular Articles

1. Agrawal Nidhi, SP Singh, and N Kotwaliwale. 2014. *Kisano ke liye upyogi anaj safai evam shrenikaran hetu spiral separator machine-* Krishi Pariwartan, 2(3).
2. Chakraborty S and SK Chakraborty. 2014. *Bhojan mein dalon ka mahatwa.* Krishak Jagat, 17(5-11 January, 2015): pp. 16.
3. Chakraborty S, MS Parihar and SK Chakraborty. 2015. *Santra prasanskaran.* KrishakJagat, 69(21): pp. 12.
4. Chakraborty S and SK Chakraborty. 2014. Minimally processed fruits and vegetables. *Indian Farmers' Digest*, 47(9): pp. 30-31. (Popular article).
5. Chandel NS, CD Singh, KP Singh and H Tripathi. 2014. *Raised bed planter dwar afashaloke buwain tatha uske labh,* Bhumi Nirman, 12.
6. Chandel NS, H Tripathi, PS Tiwari and AK Dubey. 2014. *Sabji Utpadan men Unnat Krishi Yantronka Upyog and Mahatwa.* Kisan Kheti, 1(4): 89-90.
7. Chandel NS, H Tripathi and PS Tiwari. 2014. *Upaj Nigrani Pranali: Ek Suniyojit Krishi Prodyogiki.* KHETI.66 (1): 27-29.
8. Dawn CP Ambrose. 2014. Tamarind– The Sour fruit used in Indian cuisine. *Food & Processing World.* Sept. pp: 63.
9. Dawn CP Ambrose and L Alice Daunty. 2015. *Moringa oleifera* “Mother’s best friend – an ideal health food. *Food & Beverage World*, 42(2): 33-34.
10. Mohapatra D, Saroj Kumar Giri and Sumedha Deshpande. 2014. Processing and storage of mushrooms for value addition. *Udyog prearna.* 9(4): 68-71.
11. Khadatkar A, RR Potdar, H Wakudkar, BS Narwariya and N Saini. 2014. *Bharatiya krishi me mahilao dwara nidaye evam gudai ke liye prayukt hath chalet upkaran aur yantra.* Kisaan kheti 1 (3): 61-62.
12. Khadatkar A, RR Potdar, H Wakudkar and BS Narwariya. 2014. Some drudgery reducing hand tools and equipment used by women worker in Indian agriculture. *Agri Gold SwarnaSedyam*, 42-45.
13. Khadatkar A, RR Potdar, H Wakudkar and BS Narwariya. 2014. Women Friendly Tools and Equipment Used in Rice Cultivation. *Popular Kheti, Issue – 2(3): 75-78.*
14. Khadatkar A, RR Potdar, H Wakudkar and BS Narwariya. 2014. *Krishi me mahilao dwara kataie me prayukt kuch hath sanchalit upkaran.* Kissan Kheti 1(4): 84-87.
15. Khadatkar A, RR Potdar, H Wakudkar, BS Narwariya, and Neha Saini. 2014. *Krishi me mahilaonkaswasth ster.* KissanKheti 1(4): 94-96.
16. Khadatkar A, RR Potdar, H Wakudkar and BS Narwariya. 2014. *Bhartiya krishi mei dhan ki kheti ke liye mahila upyogi unnat upkaran.* KissanKheti 1(4): 88-90.
17. Khadatkar A, RR Potdar, H Wakudkar and BS Narwariya. 2014. *Talabo me Makhana ki kheti evam bhuraie: ek paramparaik pranali.* Kheti, May issue, 20-21.
18. Khadatkar A, LP Gite, VK Gupta and H Wakudkar. 2014. An ergonomics role in harvesting makhana from ponds with improved system. *Bharatiya Krishi Anusandhan Patrika*, 29(3): 136-140.

19. Khadatkar A, VK Gupta, H Wakudkar, BS Narwariya and S Sharma. 2014. *Paramparik pranali se talabo me Makhana ki kheti me shamil kathin parishram*. Bharatiya Krishi Anusandhan Patrika, 29(1): 25-30.
20. Kulkarni SD. 2014. New trends in food processing: opportunity for food industry. Udyog Prerna 9(4): 8-14 & 16 (Sept. - Nov. 2014 issue).
21. Kulkarni SD. 2015. Food product development for export – need and concept. Udyog Prerna 10 (1):5-6, 11-14.
22. Kulkarni SD. 2015. Food product development for export – need and concept. Udyog Prerna 10 (1):5-6, 11-14.
23. Kulkarni SD. 2015. Importance of soy food products for food and nutrition security. IN Souvenir cum Proceedings of All India Seminar on Food Security – issues and Challenges (Feb. 13-14, 2015) organized by Institution of Engineers, New Delhi. pp: 66-75.
24. Kulkarni SD and SK Giri. 2014. Canning Industry – Way Ahead. Udyog Prerna, 9(3): 8-10, 13-20.
25. Kulkarni SD and SK Giri. 2015. Spices-Natural contributor to Food flavour, taste, colour and health. Processed Food Industry, 18(4): 16-17, 20-24.
26. Lenka S, NK Lenka, RC Singh, J Raghubansi and A Subbarao. 2014. *Soybean-Gahun fasal pranali par sarankshan Krishi parikshan*. Kheti, July 2015, pp 51-52 (in Hindi).
27. Magar AP, BM Nandede and Dushyant Singh. 2014. *Sabjiyo ke poudhalagat ka yantrikaran: Dash evam disha*. Tech. Bulletin No: CIAE/2014/174, PP: 4.
28. Senthilkumar T, R Kavitha, RavindraNaik. 2014. Mechanized rice planting and sowing, Agri gold Swarnasedyam, XVII (8) 39-40.
29. Senthilkumar T. 2014. Chisel plough (Tamil). Spic pannaiseithi, vol.4 (5): 7.
30. Senthilkumar T. 2015. Farm implements suitable for cultivation (Tamil), spic pannaiseithi, 4(6): 18-21.
31. Singh CD, NS Chandel, PS Tiwari, H Tripathi and K Golhani. 2014. *Multi crop thresher ka chunav, prachalan, surakcha awam rakhrakhav*. Bhumi Nirman. 18(1): 12.
32. Singh KP. 2014. *Carbon utsarjan ke niyantran me sanranchhan krishi ka yogdan*. Krishi Abhyantriki Darpan. No 22-23: 5-6.
33. Singh PL and PC Jena. *Saur water pump ki dakshata badhane ke liye sukshma niyantrak adharit sun tracker*, Krishi Abhyantriki Darpan, Vol. 24, 2014, pp10.
34. Singh RC, S Sharma, Reena Nayaer, Mukesh Singh and Ashish Patel. 2014. *Saheje mitti aum paryavaran*. Krashak Jagat, 28 May, 2014 pp.5.
35. Sinha LK and SD Kulkarni. 2015. Soy-millet extruded snacks based enterprises– A contributor to livelihood and rural development. Productivity 55 (3): 231-243.
36. Deshpande SS and Debandya Mohapatra. 2014. Millets-potential, need and facts. Udyog Prerna. 9(4): 63-67.
37. Tiwari PS, K Golhani and NS Chandel. 2014. *Krishi men global positioning system kabadhata upyog*. Kheti, 66 (4): 26-28.
38. Tripathi MK. 2014. Fast facts about lecithin. Scientific India Magazine, Vol.2, issues.4, Pp 41.

Technical Bulletins

1. Agrawal KN, LP Gite and RR Potdar. 2014. *Madhya Pradesh mein krishi hetu suraksha upayay*. Technical Bulletin No. CIAE/AMD/KNA/2014/177.
2. Biennial Report 2012-14, ICAR-CIAE, Bhopal Centre, AICRP on Renewable Sources of Energy. Technical report No. CIAE/AEP/2014/445.
3. Dubey AK, S Gangil, PL Singh, M Shyam, S Kamraj, Venkatachalam, Shrivastava, KC Pandey and CR Mehta. 2014. Value chain on biomass based decentralised power generation for agro-enterprises. Technical Report No. CIAE/TTD/2014/166.
4. Dubey AK, BM Nandede, NS Chandel and AK Roul. 2015. Biannual progress report 2013-14, ICAR-CIAE Bhopal Centre, AICRP on FIM. Technical Report No. CIAE/AMD-FIM/2015/452.
5. Kumar Manish, GS Chouhan, Dushyant Singh and AP Magar. 2015. Biennial Workshop report 2013-2015 for ICAR-CIAE Bhopal centre. Technical Report No. CIAE/AMD/UAE/2015/453.
6. Mehta CR, NS Chandel, BM Nandede, RK Tiwai and YS Bhokardankar. 2015. Research highlights 2015, Project co-ordination cell, AICRP on FIM, ICAR-CIAE Bhopal, and Technical Bulletin No. CIAE/ FIM/2015/179.
7. Ramana Rao KV and CK Saxena. 2014. Advances in Micro Irrigation Systems and fertigation under covered and open cultivation. Technical Manual No. CIAE/IDED/2014/441.1-330.
8. Singh CD, CK Saxena, NS Chandel, KP Singh, H Tripathi. 2014. Application of Sensors, Wireless Sensor Network and Instrumentations in Precision Agriculture, ICAR-Central Institute of Agricultural Engineering, Bhopal 462 038 (India). Technical Bulletin No. CIAE/IDED/2014/447.pp: 268.
9. Saha KP, D Singh, Manish Kumar, M Din, D Choudary, and DK Dwivedi. 2015. Status and utilizations of draught animal power in Madhya Pradesh. Technical bulletin No. CIAE/UAE/2015/181.
10. Singh KP, Anil Kumar Dubey, Anil Kumar Dohre, Priyanka Pathak, Sanjeev Kumar, AribaFatmi. 2014. Success story, Raised Bed Former-cum-Seeder, Technical Bulletin No CIAE/2014/ 173.
11. Singh KP, CR Mehta, Anil Kumar Dubey, Mukesh Kumar Singh, UC Dubey. 2014. Conservation Agriculture Machinery and its scope to reduce carbon Emission: A case Study, Technical Bulletin No CIAE/2014/171.
12. Singh KP, RC Singh, Anil K Dubey, CD Singh, Mayuri Gupta, Anil Kumar Dohre, Sanjeev Kumar Garg. 2014. Raised bed cultivation technology for climate resilient agriculture, Technical Bulletin No. CIAE/2014/172.
13. Singh KP, RC Singh, Anil K Dubey, CD Singh, Mayuri Gupta, AK Dohare and SK Garg. 2014. Raised bed cultivation technology for climate resilient agriculture. Ext. Bulletin No. CIAE/AMD/172.PP. 8.
14. Singh KP. 2014. Design of small grain thresher, application of sensors, wireless sensor network and instrumentation in precision agriculture, Technical Report No CIAE/IDED/2014/447: 200-209.

15. Singh RC, PC Jena and PL Singh. A leaflet on technology developed in Agricultural Energy and Power Division, leaflet No. TL/AEP/CIAE/2014/93.
16. Singh RS, KN Agrawal and K P Singh 2014. *Rashtra ke badalate parivesh me krishi abhiyantriki anusandhan ewam vikas ke naye aayam*, Technical Bulletin No.CIAE/2014/174.
17. Singh RS. 2014. Cost Economics and Custom Hiring Business Model of Agricultural Machinery. Technical Bulletin No. CIAE/IDED/2014/447: 210-2015.
18. Tiwari PS, NS Chandel, KN Agrawal, Karan Singh, Himanshu Tripathi and Kamlesh Golhani. 2014. Sensors and Actuators for Precision Farming. Training Manual for NAIP (ICAR) Sponsored National Training organised at CIAE, Bhopal during March 3-12, 2014. Technical Report No.CIAE/AMD/2014/434.