

Bio – Data

Dr. Anjana Sisodia
Assistant Professor
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Bio – Data

- 1. Name** : **Dr. ANJANA SISODIA**
2. Date of Birth : 18th June 1983
3. Nationality : Indian
4. Permanent Address : 275, C. P. Colony, Near Choudhary Nursing Home,
Morar, Gwalior, Madhya Pradesh, India.
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6. Academic Record

Degree/ Certificate	Board/ University	Subject	Division	Marks (%)	Year
High School	M. P. Board of Secondary Education, Bhopal	All compulsory Subjects	First	73.4	1999
Intermediate	M. P. Board of Secondary Education, Bhopal	PCM	First	65.0	2001
B.Sc. (Ag.)	J.N.K.V.V., Jabalpur	All compulsory Subjects	First	76.5	2006
M.Sc. (Ag.) Horticulture	J.N.K.V.V., Jabalpur	Horticulture	First	75.3	2008
Ph.D. (Horticulture)	B.H.U., Varanasi	Horticulture pursuing	First	85.0	2014
I.C.A.R. NET	A.S.R.B.	Horticulture	-	-	2009

7. Awards (4 Best Paper awards)

- 1. Best Paper Award** in International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U.
- 2. Best Poster Presentation** in 2nd U.P. Agricultural Science Congress. Organized by U.P. Council of Agricultural Research, 14-16 June, 2014, Lucknow.
- 3. Best Oral Presentation** in National Seminar on Sustainable Water Resource Management in Era of Changing Climate. Institute of Environment and Sustainable Development, 10-11 January, 2014, BHU, Varanasi.
- 4. Best Poster Presentation** in National Seminar on Protected Cultivation of Horticultural Crops and Value Addition, 29th-30th November, 2013, SHIATS, Allahabad.
- 5. Best Oral Presentation** in National Conference on Systematic approach on Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing, 23rd-24th November, 2013, Mahima Research Foundation and Social Welfare organized at B.H.U.

8. Distinctions/Prizes/Awards/Medals/Honours, etc.

1. I.C.A.R. Senior Research Fellowship
2. U.G.C. Research Fellowship of University Grant Commission

9. Additional Duties

1. Participated as Resource person in a Training programme of farmers on 'Gardener cum Lucknow (U.P.)' organized by Department of Horticulture, Institute of Agricultural Sciences, B.H.U., Varanasi (U. P.) from 1st March 2013 to 15th March 2013.
2. Participated in organization of Farmer's Training Programme of Varanasi district sponsored by National Horticulture Mission organized by Department of Horticulture, Institute of Agricultural Sciences, B.H.U., Varanasi (U.P.) from 19th March 2012 to 24th March 2012.
3. Participated in organization of Farmer's Training Programme of U.P. on "New Commercial on Farm Activities" sponsored by Uttar Pradesh Diversified Agriculture Support Project (UPDASP) organized by Department of Horticulture, Institute of Agricultural Sciences, B.H.U., Varanasi (U.P.) from 25th November 2011 to 1st January 2012.
4. Participated in organization of Farmer's Training Programme of Varanasi district sponsored by National Horticulture Mission organized by Department of Horticulture, Institute of Agricultural Sciences, B.H.U., Varanasi (U.P.) from 26th March 2012 to 31st March 2012.
5. Participated in organization of Farmer's Training Programme on "Spices Production Technology" sponsored by Uttar Pradesh Diversified Agriculture Support Project (UPDASP) organized by Department of Horticulture, Institute of Agricultural Sciences, B. H. U., Varanasi (U.P.) from 21st November 2011 to 25th November 2011.

10. No. of Conferences/Seminars/Symposia/Workshops attended

1. International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U.
2. International Conference on Sustainable Natural Resource Management: From Science to Practice, Dept. Farm Engineering, Inst. Ag. Sci., B.H.U., Varanasi (12-13 January, 2017).
3. National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture, Udai Pratap College, Varanasi (28-29 Nov, 2016).
4. 30th National Conference on Agricultural Marketing, Dept. Ag. Eco., Inst. Ag. Sci., B.H.U., Varanasi (20-22 October, 2016).
5. International Conference on Recent Advances in Food Processing and Biotechnology, CFT, I. Ag. Sc., BHU, Varanasi, India (5-6 April, 2016)
6. 7th Indian Horticulture Congress. Horticultural Society of India. New Delhi (15-18 Nov., 2016)
7. National Seminar on Sustainable Rural Development through Soil Fertility Management in Agriculture, RGSC, BHU, Barkachha, Mirzapur (14-15 Feb., 2015).
8. International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, BHU, Varanasi (15-16 Nov., 2014).
9. Asian Plant Science Conference, Bhairahawa, Lumbini, Nepal (01-03 Nov., 2014).
10. International Symposium on Innovation in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, BBAU, Lucknow (16-18 Oct., 2014).
11. 2nd U.P. Agricultural Science Congress. Organized by U.P. Council of Agricultural Research, Lucknow (14-16 June, 2014).
12. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur (7th February, 2014).
13. National Seminar on Sustainable Water Resource Management in Era of Changing Climate. Institute of Environment and Sustainable Development, BHU, Varanasi (10-11 January, 2014).
14. 12th International Asian Urbanization Conference- Urban Dynamics, Environment and Health: Challenges

for the 21st Century, Faculty of Science, BHU, Varanasi, India (28-30 December, 2013).

15. National Seminar on Protected Cultivation of Horticultural Crops and Value Addition, SHIATS, Allahabad (29-30 November, 2013).
16. National Conference on Systematic approach on Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing, Mahima Research Foundation and Social Welfare, B.H.U., Varanasi (23-24 November, 2013).
17. The 4th International Conference on Landscape and Urban Horticulture, 12-14 September, Science city Kolkata, West Bengal (12-14 September, 2013).
18. National Seminar on Climate Change and Indian Horticulture, BAU, Sabour (25-27 May, 2013).
19. Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, Mahima Research and Welfare, B.H.U., Varanasi (22-23 December, 2012).
20. National Conference on Recent Trends and Future Prospects in Floriculture, SVPUA&T, Meerut (5-8 March, 2011).

11. Publications

A (I) Research Papers (National)

1. Singh, A.K., Hembrom, R., **Sisodia, Anjana** and Pal, A.K. 2017. Effect of foliar application of zinc and iron on growth, flowering and post-harvest life in liliium cv. Navona. *Indian J. Hort.*, **74**(3): 418-422.
2. Singh, A.K., Sah, Raju, **Sisodia, Anjana** and Pal, A.K. 2017. Effect of gamma irradiation on growth, flowering and postharvest characters in tuberose varieties. *Int. J. Curr. Microbiol. App. Sci.*, **6**(8): 1985-1991.
3. Sah, Raju, Singh, A.K., **Sisodia, Anjana** and Padhi, Minakshi. 2017. Influence of gamma dose on growth, flower and bulb parameters in tuberose varieties. *Int. J. Curr. Microbiol. App. Sci.*, **6**(8): 2038-2043.
4. Singh, A.K., Kumar, P., **Sisodia, Anjana**, Pal, A.K., Singh, H.V. and Padhi, Minakshi. 2017. Effect of pinching, urea and GA₃ on growth, flowering and seed attributes in African marigold (*Tagetes erecta* L.). *J. Ornamental Horticulture*, **20**(1&2): 34-39.
5. Singh, Vinay, Singh, A.K. and **Sisodia, Anjana**. 2017. Growth and flowering of marigold as influenced by pinching and spraying of nitrogen. *Int. J. Curr. Microbiol. App. Sci.*, **6**(7): 2283-2287.
6. Hembrom, R., Singh, A.K., **Sisodia, Anjana**, Pal, A.K. and Singh, B.K. 2017. Postharvest life and bulb yield of liliium as influenced by foliar application of zinc and iron. *Environment & Ecology*, **35**(2D): 1487-1489.
7. Singh, A.K., Maurya, K.C., **Sisodia, Anjana**, Barman, Kalyan and Padhi, Minakshi. 2016. Effect of farmyard manure, vermicompost and *Trichoderma* on plant growth and postharvest life of gladiolus. *Journal Ornamental Horticulture*, **19**(3/4): 75-79.
8. Singh, A.K., Asmita, **Sisodia, Anjana**, Pal, A.K. and Barman, K. 2016. Effect of sucrose and aluminium sulphate on postharvest life of Liliium cv. Monarch. *J. Hill Agriculture*, **7**(2): 204-208.
9. Singh, A.K., Hembrom, R., **Sisodia, Anjana**, Pal, A.K. and Asmita. 2016. Effect of iron and zinc on flowering and postharvest life in gladiolus (*Gladiolus* spp.). *Indian J. Agril. Sci.*, **86**(10): 88-91.
10. **Sisodia, Anjana**, Singh, A.K. and Sisodia, V. 2015. Morphological changes and induced mutagenesis in gladiolus varieties through gamma irradiation. *Indian J. Agril. Sci.*, **85**(8): 1059-64.
11. Singh, A.K., Asmita, **Sisodia, Anjana** and Hembrom, R. 2015. Effect of foliar application of zinc and copper on leaf nutrient content, growth and flowering in gladiolus (*Gladiolus* spp.) cv. Pink Friendship. *Indian J. Agril. Sci.*, **85**(7): 95-99.
12. Singh, A.K., Asmita, **Sisodia, Anjana**, Singh, Jaymala and Pal, A.K. 2015. Effect of foliar application of zinc and copper on growth parameters and corm yield in gladiolus cv. Pink Friendship. *Environment and Ecology*, **33**(3): 1031-1034.
13. Yadav, K.S., Singh, A.K. and **Sisodia, Anjana**. 2015. Effect of growth promoting chemicals on growth, flowering and seed attributes in marigold. *Annals of Plant and Soil Research*, **17**(3): 253-256.
14. Singh, A.K., Singh, S.V., **Sisodia, Anjana**, Asmita and Hembrom, R. 2015. Effect of pinching and nitrogen on growth, flowering and seed yield in African marigold cv. Pusa Narangi Gaiinda. *Environment and*

Ecology, **33**(4B): 1876-1879.

15. Singh, A.K. and **Sisodia, Anjana**. 2015. Effect of gamma irradiation on morphological changes, flowering and induced mutants in gladiolus. *Indian J. Hort.*, **72**(1): 84-87.
16. **Sisodia, Anjana** and Singh, A.K. 2015. Plant morphology, growth and corm parameters as influenced by gamma doses in gladiolus cultivars. *Environment and Ecology*, **33**(2A): 888-892.
17. **Sisodia, Anjana** and Singh, A.K. 2015. Studies on gamma ray induced mutants in gladiolus. *Indian J. Agril. Sci.*, **85** (1): 79-86.
18. Singh, A.K., Hembrom, R., Singh, Jaymala, **Sisodia, Anjana** and Pal, A.K. 2015. Effect of iron and zinc on growth and postharvest life in Liliun cv. Tresor. *Environment and Ecology*, **33**(2): 625-628.
19. Hembrom, R., Singh, A.K., **Sisodia, Anjana**, Singh, Jaymala and Asmita. 2015. Influence of foliar application of iron and zinc on growth, corm and cormel yield in gladiolus cv. American Beauty. *Environment and Ecology*, **33**(4): 1544-1546.
20. **Sisodia, Anjana** and Singh, A.K. 2014. Influence gamma irradiation on morphological changes, post harvest life and mutagenesis in gladiolus. *International J. Agri. Environ. & Biotech.*, **7**(3): 535-545.
21. Kumar, A., **Sisodia, Anjana** and Singh, A.K. 2014. Evaluation of tuberose cultivars for growth, flowering and post-harvest life. *Indian Perfumer*, **58**(1): 29-32.
22. Yadav, K.S., **Sisodia, Anjana** and Singh, A.K. 2014. Effect of GA₃ and kinetin on growth and flowering parameters of African marigold (*Tagetes erecta*). *Indian Perfumer*, **58**(1): 21-25.
23. Singh, A.K., Jauhari, S. and **Sisodia, Anjana**. 2014. Genetic diversity analysis of snapdragon (*Antirrhinum majus*) through RAPD markers. *Indian J. Hort.*, **71**(1): 134-137.
24. Singh, A.K., Kumar, Amresh and **Sisodia, Anjana**. 2013. Growth, flowering and bulb yield in tuberose as influenced by cultivars. *Environment and Ecology*, **31**(4A): 1823-1825.
25. Singh, A.K., Jauhari, Shiva and **Sisodia, Anjana**. 2013. Development of snapdragon hybrids and their evaluation for vegetative, flowering and seed attributes. *Progressive Horticulture*, **46**(1): 133-142.
26. Singh A.K., Kumari, Rakhi and **Sisodia, Anjana**. 2013. Influence of SADH and MH on growth, flowering, seed yield and yield attributes in African marigold. *Indian Perfumer*, **57**(3): 47-50.
27. Kumari, R., **Sisodia, Anjana** and Singh, A.K. 2013. Effect of growth retarding chemicals on growth and flowering parameters in marigold (*Tagetes erecta*) cv. Pusa Narangi Gainda. *Environment and Ecology*, **31**(4): 1768-1770.
28. Neetu, Singh, A.K., **Sisodia, Anjana**. and Kumar, R. 2013. Effect of GA₃ on growth and flowering attributes in gladiolus cultivars. *Ann. Agric. Res.*, **34**(4): 315-319.
29. Pandey, A., Singh, A.K. and **Sisodia, Anjana**. 2013. Effect of vermicompost and bio-control agents on growth and flowering of gladiolus cv. J.V. Gold. *The Asian J. Hort.*, **8**(1): 46-49.
30. Singh, A.K., Singh, Gaurav, **Sisodia, Anjana** and Kumar, Anuj. 2012. Effect of manure and bio-fertilizers on growth and flowering in tuberose (*Polianthes tuberosa* L.). *Indian Perfumer*, **56**(4): 45-48.
31. Singh, A.K., **Sisodia, Anjana** and Kumar, Anuj. 2012. Effect of farmyard manure, *Azotobacter* and phosphate solubilizing bacteria on flowering, bulb yield and post-harvest life in tuberose cv. Prajwal. *The Horticultural Journal*, **25**(1&2): 25-28.
32. Pandey, A., **Sisodia, Anjana** and Singh, A.K. 2012. Influence of bio-control agents and vermicompost on postharvest life of flowers and corm yield in gladiolus. *International J. Plant Protection*, **5**(2): 264-267.
33. Singh, A.K., Wagle, G., Kumar, A. and **Sisodia, Anjana**. 2012. Evaluation of gladiolus cultivars for flowering and post harvest studies. *J. Ornamental Horticulture*. **15**(1&2): 130-134.
34. **Sisodia, Anjana**, Nagaich, K.N. and Singh, A.K. 2012. Effect of nitrogen and GA₃ on growth, yield and yield attributes in onion (*Allium cepa*) cv. Nasik Red. *Annals of Horticulture*. **5**(2): 293-297.

Research Paper (International)

1. **Sisodia, A.** and Singh, A.K. 2015. Effects of farmyard manure, vermicompost and *Trichoderma* on flowering and corm attributes in gladiolus. *Bangladesh J. Bot.*, **44**(2): 309-314.
2. Singh, A.K. and **Sisodia, Anjana**. Effect of various potting media on growth attributes and nutrient level in aluminium plant. *Acta Horticulturae*. (Communicated).

A (II) Proceedings papers

1. Singh, A.K., Hembrom, R. and **Sisodia, Anjana**. 2015. Flower seed production under protected conditions. *Procce: National Workshop cum Seminar on Precision Farming: A Boon for Flower Industry*, 02-03 March,

- GBPUA&T, Pantnagar, Uttarakhand. p. 25-37.
2. Singh, A.K., Asmita and **Sisodia, Anjana**. 2015. Prospect of floriculture industry in next millennium. *Proce: Sustainable Horticulture vis-à-vis Changing Environment*, 26-28 Feb., SASRD, Nagaland University, Medziphema, Nagaland. p. 77-79.
 3. Singh, A.K. and **Sisodia, Anjana**. 2013. Climate change – threat to floriculture. *Proce: National Seminar on Climate Change and Indian Horticulture: Exploring Adaptation and Mitigation Strategies for Expeditious Resilience*. Bihar Agril. University, Sabour, Bihar. pp. 234-241.
 4. Singh, A.K., **Sisodia, Anjana**. 2014. New emerging areas in floriculture and sustainable development. *In: National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, RGSC, BHU, Varanasi. (*Accepted*).
 5. **Sisodia, Anjana**, Singh, A.K. and Sisodia, V. 2014. Flower production in rural and peri urban areas and climate change. *In: National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, RGSC, BHU, Varanasi. (*Accepted*).
 6. Singh, A.K., Singh, J., **Sisodia, Anjana**, Reddy, R.S. and Pandey, A. 2014. Traditional and modern technologies for sustainable development of horticulture. *In: National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, RGSC, BHU, Varanasi. (*Accepted*).

12. Papers presented in Conferences/Seminars/Symposia, etc.

1. **Sisodia, Anjana**, Hembrom, H., Barman, K., Pal, A.K. and Singh, A.K. 2017. Flower as a source of aroma in food industries. *Abst: International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security*, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U. p.11.
2. Hembrom, R., Sisodia, V., Singh, A.K. and **Sisodia, Anjana**. 2017. Horticultural waste- a potential source of antioxidants. *Abst: International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security*, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U. p.15.
3. Hembrom, R., **Sisodia, Anjana** and Singh, A.K. 2017. Breeding for mitigating effects of climate change on horticultural crops. Hembrom, R., Sisodia, V., Singh, A.K. and Sisodia, A. 2017. Horticultural waste- a potential source of antioxidants. *Abst: International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security*, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U. p.15.
4. Sah, R., **Sisodia, Anjana**, Barman, K., Pal, A.K. and Singh, A.K. 2017. Effect of gamma irradiation on growth, flowering and postharvest characters in tuberose varieties. *Abst: International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security*, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U. p. 79.
5. Sisodia, V., **Sisodia, Anjana**, Padhi, M and Singh, A.K. 2017. Climate change- a burning issue for ornamental flower production. *Abst: International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security*, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U. p.80.
6. Kumawat, P., **Sisodia, Anjana** and Singh, R. 2017. Climate change influence on environment. *Abst: International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security*, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U. p.85.
7. Singh, A.K., Sunita, Pal, A.K., Barman, K and **Sisodia, Anjana**. 2016. Genetic variability, correlation and path coefficient analysis in Diverse genotypes of cowpea [*Vigna unguiculata* (L.) Walp.]. *Abst: National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture*, Udai Pratap College, Varanasi. p. 157.

8. **Sisodia, Anjana**, Singh, A.K., Kumar, Avinash, Barman, K and Pal, A.K. 2016. Influence of B-9, cycocel and paclobutrazol on growth, flowering and post harvest parameters in lily. *Abst: National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture*, Udai Pratap College, Varanasi. p. 156.
9. Padhi, Minakshi, Singh, S.P. and **Sisodia, Anjana**. 2016. Shoot proliferation of lasoda through micropropagation. *Abst: National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture*, Udai Pratap College, Varanasi. p. 152.
10. Singh, A.K., Ray, P., **Sisodia, Anjana**, Pal, A.K. and Barman, K. 2016. Evaluation of various Indian and exotic gladiolus cultivars under sub tropical conditions of eastern Uttar Pradesh. *Abst: National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture*, Udai Pratap College, Varanasi. p. 127.
11. Singh, A.K., **Sisodia, Anjana**, Anand, A., Pal, A.K. and Barman, K. 2016. Effect of herbicides and mulching on growth and flowering in gladiolus cv. Jyotsana. *Abst: National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture*, Udai Pratap College, Varanasi. p. 158.
12. **Sisodia, Anjana**, Ray, P., Pal, A.K., Barman, K and Singh, A.K. 2016. Evaluation of Gladiolus cultivars for flowering and yield parameters. *Abst: 7th Indian Horticulture Congress. Horticultural Society of India. (15-18 Nov., 2016), New Delhi. p. 110.*
13. Singh, A.K., Kumar, A., **Sisodia, Anjana**, Pal, A.K. and Barman, K. 2016. Influence of growth retardants on growth, flowering, yield and postharvest parameters in lily cv. Jazzit. *Abst: 7th Indian Horticulture Congress. Horticultural Society of India. (15-18 Nov., 2016), New Delhi. p. 285.*
14. Singh, A.K., Anand, A., **Sisodia, Anjana**, Pal, A.K. and Barman, K. 2016. Effect of herbicides and mulching on weed dynamics, growth, flowering and corm yield in gladiolus. *Abst: 7th Indian Horticulture Congress. Horticultural Society of India. (15-18 Nov., 2016), New Delhi. p. 428.*
15. Singh, A.K., Asmita, **Sisodia, Anjana**., Singh, M.K., Pal, A.K. and Singh, B.K. 2016. Significance of flowers in food industry. *Abst. International Conference on Recent Advances in Food Processing and Biotechnology, 05-06 April., CFT, I.Ag.Sc., BHU, Varanasi, India. p. 76.*
16. **Sisodia, Anjana**, Singh, A.K., Pal, A.K., Singh, B.K. and Asmita. 2016. Flowers: Delicious and decorative touch to food. *Abst. International Conference on Recent Advances in Food Processing and Biotechnology, 05-06 April., CFT, I.Ag.Sc., BHU, Varanasi, India. p. 222.*
17. Asmita, Singh, A.K., **Sisodia, Anjana**, Pal, A.K. and Singh, B.K. 2016. Advances in food industry through flower fragrance. *Abst. International Conference on Recent Advances in Food Processing and Biotechnology, 05-06 April., CFT, I.Ag.Sc., BHU, Varanasi, India. p. 223.*
18. Asmita, Singh, M.K., **Sisodia, Anjana**, Pal, A.K., Singh, B.K. and Singh, A.K. 2016. Edible flowers as a new promising source of human nutrition. *Abst. International Conference on Recent Advances in Food Processing and Biotechnology, 05-06 April., CFT, I.Ag.Sc., BHU, Varanasi, India. p. 224.*
19. Singh, A.K., Tiwari, A., Pal, A.K., Kanth, N., Pal, S. and **Sisodia, Anjana**. 2016. Thrifty technologies for preservation of horticultural commodities. *Abst. International Conference on Recent Advances in Food Processing and Biotechnology, 05-06 April., CFT, I.Ag.Sc., BHU, Varanasi, India. p. 234.*
20. Singh, A.K., **Sisodia, Anjana**, Hembrom, R., Asmita and Yadav, K. 2015. Mutation: A tool to create favourable changes in gladiolus varieties. *Abst: National Conference on Indian Botanic Gardens, 18-20 Nov., NBRI, Lucknow. p.105.*
21. Choudhury, B., Sunita, Singh, A.K., **Sisodia, Anjana** and Kumar, A. 2015. Hydroponics expanding opportunities for quality produce with enhanced production in horticultural crops. *Abst.: 2nd National Seminar on Hi-tech Horticulture: Challenges and Opportunities, 26-27 Feb., BBAU, Lucknow. p. 44.*
22. Asmita, Singh, A.K., Hembrom, R., **Sisodia, Anjana** and Kumar, A. 2015. Effects of various levels of zinc and copper on growth and post-harvest life in lily cv. Albedo. *Abst.: 2nd National Seminar on Hi-tech Horticulture: Challenges and Opportunities, 26-27 Feb., BBAU, Lucknow. p. 198.*
23. Kumar, A., Singh, A.K., Asmita, Hembrom, R., **Sisodia, Anjana** and Pal, A.K. 2015. Penetration of bulbous flowers in urban life style. *Abst.: 2nd National Seminar on Hi-tech Horticulture: Challenges and Opportunities, 26-27 Feb., BBAU, Lucknow. p. 223.*
24. Singh, A.K., Asmita, **Sisodia, Anjana**, Hembrom, R., Singh, S.V. and Pal, A.K. 2015. Influence of zinc and copper on leaf nutrient status, growth and flowering in gladiolus. *Abst.: National Seminar on*

- Sustainable Horticulture vis-à-vis Changing Environment, 26-28 Feb., SASRD, Nagaland University, Medziphema, Nagaland. p. 81-82.
25. Singh, A.K., **Sisodia, Anjana**, Krishna, V.N.P.S., Sivaram, G.T., Asmita, Hembrom, R. and Reddy, R.S. 2015. Growth, flowering and seed production in African marigold as influenced by pinching and nitrogen levels. *Abst.*: National Seminar on Sustainable Horticulture vis-à-vis Changing Environment, 26-28 Feb., SASRD, Nagaland University, Medziphema, Nagaland. p. 87.
 26. **Sisodia, Anjana**, Singh, A.K., Hembrom, R., Asmita, Sivaram, G.T. and Krishna, V.N.P.S. 2015. Mutagenesis and morphological changes through gamma irradiation in gladiolus varieties. *Abst.*: National Seminar on Sustainable Horticulture vis-à-vis Changing Environment, 26-28 Feb., SASRD, Nagaland University, Medziphema, Nagaland. p. 82-83.
 27. Hembrom, R., **Sisodia, Anjana**, Asmita, Krishna, V.N.P.S., Sivaram, G.T. and Singh, A.K. 2015. Influence of foliar application of iron and zinc on growth and vase life in *Lilium*. *Abst.*: National Seminar on Sustainable Horticulture vis-à-vis Changing Environment, 26-28 Feb., SASRD, Nagaland University, Medziphema, Nagaland. p. 85
 28. Asmita, Singh, A.K., **Sisodia, Anjana**, Pal, A.K. and Hembrom, R. 2015. Effect of foliar application of zinc and copper on leaf nutrient content, growth and flowering in gladiolus cv. Pink Friendship. *Abst.* National Seminar on Sustainable Rural Development through Soil Fertility Management in Agriculture, 14-15 Feb., RGSC, BHU, Barkachha, Mirzapur. p. 87-88.
 29. Hembrom, R., Singh, A.K., **Sisodia, Anjana**, Asmita and Pal, A.K. 2015. Plant growth and postharvest life in *Lilium* as influenced by application of iron and zinc under polyhouse condition. *Abst.* National Seminar on Sustainable Rural Development through Soil Fertility Management in Agriculture, 14-15 Feb., RGSC, BHU, Barkachha, Mirzapur. p. 90.
 30. Singh, A.K., Asmita, **Sisodia, Anjana**, Kumar, Anuj and Pal, A.K. 2014. Mutation breeding in ornamental crops. *Abst.* International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, 15-16 Nov., BHU, Varanasi. p. 62.
 31. **Sisodia, Anjana**, Singh, A.K., Sisodia, V., Singh, S.V., Wagle, G.R. and Pal, A.K. 2014. Morphological changes, flowering and induced mutants in gladiolus as influenced by gamma irradiation. *Abst.* International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, 15-16 Nov., BHU, Varanasi. p. 63.
 32. Singh, A.K., Reddy, B.R., **Sisodia, Anjana**, Hembrom, R., and Pal, A.K. 2014. Foliage plant breeding: hurdles, possibilities and achievements. *Abst.* International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, 15-16 Nov., BHU, Varanasi. p. 81.
 33. Singh, A.K., Reddy, B.R., **Sisodia, Anjana**, Singh, Jaymala, Asmita and Hemlata. 2014. Mitigation of climate change in horticulture. *Abst.* International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, 15-16 Nov., BHU, Varanasi. p. 82.
 34. Hembrom, R., Singh, A.K., **Sisodia, Anjana**, Pal, A.K. and Ray, P. 2014. Significance of flowers in aromatherapy. *Abst.* International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, 15-16 Nov., BHU, Varanasi. p. 124.
 35. Hembrom, R., Singh, A.K., **Sisodia, Anjana**, Reddy, B.R., Kumar, Anuj and Asmita. 2014. Therapeutic role of flowers. *Abst.* International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, 15-16 Nov., BHU, Varanasi. p. 125.
 36. Singh, A.K., Pal, A.K., **Sisodia, Anjana**, Maurya, J. and Singh, Jaymala. 2014. Evaluation of different type single whorled germplasm of balsam (*Impatiens balsamina*). *Abst.* 6th Indian Horticulture Congress. 6-9 Nov., TNAU, Coimbatore. p. 117.
 37. Singh, A.K., Asmita, **Sisodia, Anjana**, Singh, Jaymala and Reddy, B.R. 2014. Effect of micronutrients on growth, flowering and yield of gladiolus cv. Pink Friendship *Abst.* 6th Indian Horticulture Congress. 6-9 Nov., TNAU, Coimbatore. pp. 267-268.
 38. Hembrom, R. Singh, A.K., Singh, Jaymala, **Sisodia, Anjana** and Pal, A.K. 2014. Effect of zinc and iron on growth, flowering and yield of *Lilium* cv. Tresor. *Abst.* 6th Indian Horticulture Congress. 6-9 Nov., TNAU, Coimbatore. pp. 269-270.
 39. Singh, A.K., Asmita, Hembrom, R., Reddy, B.R., Singh, Jaymala and **Sisodia, Anjana**. 2014. Evaluation of germplasm of snapdragon (*Antirrhinum majus*) for vegetative, flowering and post harvest traits. Asian Plant Science Conference, 01-03 Nov., Bhairahawa, Nepal. p. 19.

40. Asmita, Singh, A.K., **Sisodia, Anjana**, Pal, A.K. and Hembrom, R. 2014. Effect of zinc and copper to growth, flowering and bulb attributes in Asiatic Lily cv. Albedo. Asian Plant Science Conference, 01-03 Nov., Bhairahawa, Nepal. p. 19-20.
41. Reddy, B.R., Singh, A.K., **Sisodia, Anjana** and Singh, Jaymala. 2014. Role of plant growth retardants in okra. Asian Plant Science Conference, 01-03 Nov., Bhairahawa, Nepal. p. 41.
42. Asmita, Singh, A.K., Singh, S.V., **Sisodia, Anjana**, Reddy, B.R. and Ray, P. 2014. Influence of foliar application of zinc and copper on growth and post-harvest life of Asiatic lily. *Abst.* International Symposium on Innovation in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, 16-18 Oct., BBAU, Lucknow. p. 140.
43. Singh, A.K., **Sisodia, Anjana** and Reddy, B.R. 2014. Floriculture in peri-urban areas of India. *Abst.* International Symposium on Innovation in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, 16-18 Oct., BBAU, Lucknow. p. 157.
44. Singh, A.K., Pal, A.K., **Sisodia, Anjana**, Singh, Jaymala, Asmita and Hembrom, R. 2014. Response of pinching and nitrogen to growth, flowering and seed yield in African marigold. *Abst.* International Symposium on Innovation in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, 16-18 Oct., BBAU, Lucknow. p. 170.
45. Hembrom, R., Asmita, Singh, Jaymala, **Sisodia, Anjana**, Pal, A.K. and Singh, A.K. 2014. Response of foliar application of iron and zinc to growth, corm and cormel yield in gladiolus cv. American Beauty. *Abst.* International Symposium on Innovation in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, 16-18 Oct., BBAU, Lucknow. p. 171.
46. Pandey, A., **Sisodia, Anjana**, Asmita, Pal, A.K. and Singh, A.K. 2014. Effect of vermicompost and bio-control agents on corm production and vase life of flowers in gladiolus cv. J.V. Gold. *Abst.* National Workshop on Advances in PGPR Research, 7-8 Oct., BHU, Varanasi. p. 60.
47. A.K. Singh, Maurya, K.C., **Sisodia, Anjana**, Asmita, Pal, A.K. and Reddy, B.R. 2014. Effect of *Trichoderma*, farmyard manure and vermicompost on flowering and corm attributes in gladiolus cv. Nova Lux. *Abst.* National Workshop on Advances in PGPR Research, 7-8 Oct., BHU, Varanasi. p. 71.
48. Reddy, B.R., A.K. Singh, **Sisodia, Anjana**, Singh, Jaymala and Pal, A.K. 2014. Use of plant growth promoting Rhizobacteria in horticultural crops. *Abst.* National Workshop on Advances in PGPR Research, 7-8 Oct., BHU, Varanasi. pp. 142-143.
49. Singh, A.K. and **Sisodia, Anjana**. 2014. Effect of gamma doses on morphological parameters, post-harvest life and mutagenesis in gladiolus. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 308.
50. **Sisodia, Anjana** and Singh, A.K. 2014. Induced mutation and changes in flowering attributes in gladiolus varieties through gamma irradiation. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 308.
51. Kumar, A., Singh, Jaymala, **Sisodia, Anjana**, Hembrom, Raimani and Singh, A.K. 2014. Evaluation of tuberose cultivars for growth, flowering and post-harvest life. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 192.
52. **Sisodia, Anjana**, Sisodia, Vandana and Singh, A.K. 2014. Native plants for green environment of peri urban and urban areas. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 193.
53. Reddy, B.R., Singh, A.K., **Sisodia, Anjana**, and Singh, Jaymala. 2014. Home gardens: A small scale subsistence agricultural system. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 297.
54. Singh, Jaymala, Singh, A.K., **Sisodia, Anjana** and Hembrom, Raimani. 2014. Non conventional approaches for flower colour improvement. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 325.
55. **Sisodia, Anjana**, Reddy, B.R., Kumar, Anuj, Kumari, Asmita and Singh, A.K. 2014. Effect of farmyard manure, *Azotobacter* and phosphate solubilizing bacteria on flowering and post-harvest life in tuberose. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 343.
56. Reddy, B.R., Singh, A.K., **Sisodia, Anjana**, and Singh, Jaymala. 2014. Role of scientists in tackling food insecurity and climate change. *Abst.* 2nd UP Agricultural Science Congress, 14-16 June, UPCAR, Lucknow. p. 371.

57. Singh, A.K., Singh, Jaymala, **Sisodia, Anjana**, Reddy, R.S. and Pandey, Amit. 2014. Traditional and modern technologies for sustainable development of horticulture. *Abst. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, 7th February, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur. p. 25.
58. **Sisodia, Anjana**, Pal, A.K., Hembrom, Raimani, Hemlata, Singh, Jaymala and Singh, A.K. 2014. Evaluation of gladiolus cultivars for flowering parameters. *Abst. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, 7th February, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur. p. 24.
59. Singh, A.K., **Sisodia, Anjana**, Singh, Jaymala, Reddy, R.S., Asmita and Pal, A.K. 2014. Effect of SADH and MH on growth, flowering and seed yield attributes in African marigold cv. Pusa Narangi Gaiinda. *Abst. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, 7th February, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur. p. 24.
60. Singh, A.K., Kumar, Amaresh, **Sisodia, Anjana**, Singh, Jaymala, Pandey, Amit and Reddy, R.S. 2014. Performance of tuberose cultivars for growth, flowering and post-harvest traits. *Abst. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, 7th February, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur. p. 23.
61. Singh, A.K. and **Sisodia, Anjana**. 2014. New emerging areas in floriculture and sustainable development. *Abst. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, 7th February, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur. p. 19-20.
62. **Sisodia, Anjana**, Singh, A.K. and Sisodia, Vandana. 2014. Flower production in rural and peri urban areas and climate change. *Abst. National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, 7th February, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur. p.18.
63. Reddy, B.R., Singh, A.K., Singh, Jaymala and **Sisodia, Anjana**. 2014. Water management in tomato. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p.48.
64. Singh, A.K., Singh, Jaymala, **Sisodia, Anjana**, Hemlata, Hembrom, Raimani and Pandey, Amit. 2014. Influence of brackish water in ornamental plants. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p. 25.
65. Singh, Jaymala, **Sisodia, Anjana**, Kumar, A., Hembrom, R. and Singh, A.K. 2014. Sustainable use of water in container gardening. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p. 23.
66. Singh, A.K., **Sisodia, Anjana**, Sisodia, Vandana, Singh, Jaymala and Pal, A.K. 2014. Water management of flower crops under protected cultivation. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p. 21.
67. **Sisodia, Anjana**, Sisodia, Vandana, Singh, A.K., Reddy, R.S., Singh, S.V. and Hemlata. 2014. Effect of drip irrigation and fertilization in increasing the vegetable productivity. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p. 20.
68. Singh, R.P., Singh, A.K., Singh, Jaymala and **Sisodia, Anjana**. 2014. Micro-Irrigation- an approach for increasing cut flower production. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p. 19.
69. Singh, R.P., Singh, A.K., Pal, A.K., **Sisodia, Anjana** and Singh, Jaymala 2014. Strategy for gardening in drought-stricken areas through xeriscaping. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p. 18.
70. Singh, A.K., **Sisodia, Anjana**, Sisodia, Vandana, Singh, Jaymala and Reddy, R.S. 2014. Management of water and fertilizers in important vegetable and flower crops. *Abst. National Seminar on Sustainable Water Resource Management in Era of Changing Climate*. 10-11 January, Institute of Environment and Sustainable Development, BHU, Varanasi. p. 17.

71. Singh, A.K. and **Sisodia, Anjana**. 2013. Xeriscaping: sustainable gardening in urban areas. *Abst. 12th International Asian Urbanization Conference- Urban Dynamics, Environment and Health: Challenges for the 21st Century*, 28-30 December, Faculty of Science, BHU, Varanasi, India. p. 164.
72. Singh, R.P., Singh, A.K., **Sisodia, Anjana** and Singh, Jaymala. 2013. Impact of climate change on floriculture. *Abst. 12th International Asian Urbanization Conference- Urban Dynamics, Environment and Health: Challenges for the 21st Century*, 28-30 December, Faculty of Science, BHU, Varanasi, India. p. 164-165.
73. Singh, R.P., Singh, A.K. and **Sisodia, Anjana**. 2013. Prospect of floriculture in uplifting the economic condition of peri-urban people. *Abst. 12th International Asian Urbanization Conference- Urban Dynamics, Environment and Health: Challenges for the 21st Century*, 28-30 December, Faculty of Science, BHU, Varanasi, India. p. 223.
74. Singh, A.K., **Sisodia, Anjana**, Kumar, Anuj, Reddy, R.S. and Pal, A.K. 2013. Flowering and post-harvest studies of gladiolus cultivars. *Abst. National Seminar on Protected Cultivation of Horticultural Crops and Value Addition*, 29-30 November, SHIATS, Allahabad, p.121.
75. **Sisodia, Anjana**, Reddy, R.S., Kumar, Anuj, Asmita and Singh, A.K. 2013. Effect of farmyard manure, azotobacter and phosphate solubilizing bacteria on flowering, bulb parameters and post-harvest life in tuberose. *Abst. National Seminar on Protected Cultivation of Horticultural Crops and Value Addition*, 29-30 November, SHIATS, Allahabad, p. 120.
76. Kumar, Amaresh, Singh, Jaymala, **Sisodia, Anjana**, Hembrom, Raimani and Singh, A.K. 2013. Study of tuberose cultivars for growth, flowering and post-harvest life. *Abst. National Seminar on Protected Cultivation of Horticultural Crops and Value Addition*, 29-30 November, SHIATS, Allahabad, p.119.
77. **Sisodia, Anjana**, Pal, A.K., Singh, Jaymala, Hemlata and Singh, A.K. 2013. Evaluation of gerbera under shade net conditions. *Abst. National Seminar on Protected Cultivation of Horticultural Crops and Value Addition*, 29-30 November, SHIATS, Allahabad, p. 24.
78. **Sisodia, Anjana**, Singh, Jaymala, Singh, A.K., Hemlata and Asmita. 2013. Significance of flowers and leaves in food and non-food products. *Abst. National Conference on Systematic approach on Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing*, 23-24 November, Mahima Research Foundation and Social Welfare, B.H.U., Varanasi. p. 61.
79. Singh, Jaymala, **Sisodia, Anjana**, Singh, A.K., Reddy, R.S. and Hembrom, Raimani. 2013. Marigold- As a source of nutrient supplement. *Abst. National Conference on Systematic approach on Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing*, 23-24 November, Mahima Research Foundation and Social Welfare, B.H.U., Varanasi. p. 60.
80. **Sisodia, Anjana**, Singh, A.K., Jaymala, Singh and Reddy, R.S. 2013. Herbal meditation- a way to happy life. *Abst. National Conference on Systematic approach on Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing*, 23-24 November, Mahima Research Foundation and Social Welfare, B.H.U., Varanasi. p. 62.
81. Singh, A.K., Singh, Jaymala and **Sisodia, Anjana**. 2013. Wetland as entities with incomparable value. *In: The 4th International Conference on Landscape and Urban Horticulture*, 12-14 September, Science City Kolkata, West Bengal.
82. **Sisodia, Anjana**, Sisodia, Vandana and Singh, A.K. 2013. Native plants for green environments of urban areas. *Abst. The 4th International Conference on Landscape and Urban Horticulture*, 12-14 September, Science City, Kolkata, West Bengal.
83. Singh, A.K. **Sisodia, Anjana**, Singh, Jaymala, Pal, A.K. and Singh, H.V. 2013. Importance of horticulture in urban tourism. *Abst. The 4th International Conference on Landscape and Urban Horticulture*, 12-14 September, Science city Kolkata, West Bengal.
84. Singh, A.K., **Sisodia, Anjana**, Pal, A.K. and Singh, Jaymala. 2013. Plant growth and seed yield of balsam as influenced by germplasm under U.P. conditions. *Abst. National Seminar on Climate Change and Indian Horticulture*, 25-27 May, BAU, Sabour, p. 121.
85. **Sisodia, Anjana**, Singh, Harsh Vardhan and Singh, A.K. 2013. Performance of single and double whorled balsam germplasm for plant growth and seed characters. *Abst. National Seminar on Climate Change and Indian Horticulture*, 25-27 May, BAU, Sabour, p. 119-120
86. **Sisodia, Anjana**, Singh, Jaymala, Pal, A.K. and Singh, A.K. 2013. Performance of balsam (*Impatiens balsamina* L.) germplasm for flowering attributes. 2013. *Abst. National Seminar on Climate Change and*

- Indian Horticulture, 25-27 May, BAU, Sabour, p. 121.
87. **Sisodia, Anjana**, Singh, Harsh Vardhan and Singh, A.K. 2013. Adverse effect of climate change on flower development in chrysanthemum. *Abst. National Seminar on Climate Change and Indian Horticulture, 25-27 May, BAU, Sabour, p. 182.*
 88. **Sisodia, Anjana**, Pal, A.K. and Singh, A.K. 2013. Effect of farmyard manure, vermicompost and bio-control agent on growth and post-harvest life in gladiolus. *Abst. National Seminar on Climate Change and Indian Horticulture, 25-27 May, BAU, Sabour, p. 189.*
 89. Singh, A.K., **Sisodia, Anjana** and Singh, Jaymala. 2013. Influence of manure and *Trichoderma* on flowering and corm parameters in gladiolus. *Abst. National Seminar on Climate Change and Indian Horticulture, 25-27 May, BAU, Sabour, p. 190.*
 90. Singh, A.K., Pal, A.K., Kumar, Anuj, **Sisodia, Anjana** and Singh, Jaymala. 2013. Performance of gladiolus cultivars for flowering and post harvest studies. *Abst. International Conference on Impact of Technological Tools on Food Security under Global Warming Scenario. Hi-Tech Horticultural Society, 11-12 May, Meerut, pp. 33.*
 91. **Sisodia, Anjana**, Singh, A.K. and Kumar, A. 2012. Performance of different gerbera genotypes under net house condition. *Abst. National Seminar on Protected Cultivation of Vegetables and Flowers- a value chain approach, 11-12 January, GBPUA&T, Pantnagar. p.151.*
 92. Pandey, Amit, **Sisodia, Anjana** and Singh, A.K. 2012. Performance of gladiolus as influenced by vermicompost and bio-control agents. *Abst. National Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, 22-23 December, Mahima Research and Welfare, B.H.U., Varanasi. p. 99.*
 93. Singh, A.K., **Sisodia, Anjana**, Singh, Jaymala and Pal, A.K. 2012. Response of manure and bio-fertilizers on growth and flowering in tuberose (*Polianthes tuberosa*). *Abst. National Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, 22-23 December, Mahima Research and Welfare, B.H.U., Varanasi. p. 100.*
 94. Singh, A.K., Pandey, Amit, **Sisodia, Anjana**, Pal, A.K. and Kumar, Anuj. 2012. Influence of *Trichoderma*, *Pseudomonas*, *Bacillus* and vermicompost on post-harvest life of flowers and corm yield in gladiolus. *Abst. National Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, 22-23 December, Mahima Research and Welfare, B.H.U., Varanasi. p. 101.*
 95. **Sisodia, Anjana**, Kumar, Anuj, Singh, Jaymala and Singh, A.K. 2012. Evaluation of gladiolus cultivars for flowering characters under eastern U. P. conditions. *Abst. National Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, 22-23 December, Mahima Research and Welfare, B.H.U., Varanasi. p. 102.*
 96. **Sisodia, Anjana**, Singh, Jaymala, Kumar, Anuj and Singh, A.K. 2012. Effect of organic manure and bio-control agents on flowering, bulb yield and post-harvest life in tuberose. *Abst. National Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, 22-23 December, Mahima Research and Welfare, B.H.U., Varanasi. p.103.*
 97. Singh, A.K., Singh, Gaurav, **Sisodia, Anjana** and Kumar, Anuj. 2012. Effect of manure and bio-fertilizers on growth and flowering in tuberose cv. Prajwal. *Abst. 5th Indian Horticulture Congress, 6-9 November, PAU, Ludhiana, Punjab. p. 95.*
 98. Singh, A.K., Kumar, Anuj and **Sisodia, Anjana**. 2012. Influence of pinching, urea and GA₃ on growth, flowering and seed parameters in African marigold. *Abst. 5th Indian Horticulture Congress, 6-9 November, PAU, Ludhiana, Punjab. p. 269.*
 99. Singh, A.K., Ghimire, N.R., Kumar, Anuj and **Sisodia, Anjana**. 2012. Performance of gladiolus cultivars for flowering traits. *Abst. 5th Indian Horticulture Congress, 6-9 November, PAU, Ludhiana, Punjab. p. 270.*
 100. Singh, A.K., **Sisodia, A.**, Maurya, K.C., Kumar, A. and Pandey, A.K. 2011. Correlation and path coefficient analysis in marigold (*Tagetes* spp.). *Abst. National Conference on Recent Trend and Future Prospects in Floriculture, 5-8 March, SVP&T, Meerut. p. 13.*

13. Chapters in Books

1. Singh, A.K. and **Sisodia, Anjana**. 2015. Climate change – threat to floriculture. *In: M.L. Choudhary, V.B. Patel, M.W. Siddique and S.S. Mehdi (eds.). Climate Dynamics in Horticultural Sciences: Principles and Applications, Vol. 1. Apple Academic Press (CRC Press, Taylor & Francis Group), Waretown, USA (ISBN*

- 978-1-77188-031-2). pp. 219-230.
2. Hembrom, R., Singh, A.K., **Sisodia, Anjana**, Pal, A.K., Singh, S.V., Ray, P. and Singh, B.K. 2014. Significance of flowers in aromatherapy. *In: R.K. Rao, P.K. Sharma and A.K. Singh (eds.). Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture.* Mahima Publications, Varanasi (ISBN: 978-81-92693-54-5). pp. 13-18.
 3. Singh, A.K., Hembrom, R., **Sisodia, Anjana**, Reddy, B.R., Kumar, A. and Dakho, J. 2014. Therapeutic role of flowers. *In: R.K. Rao, P.K. Sharma and A.K. Singh (eds.). Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture.* Mahima Publications, Varanasi (ISBN: 978-81-92693-54-5). pp. 81-86.
 4. Hembrom, R., Singh, A.K., Thanuja Sivaram, G., Krishna, VNPS, **Sisodia, Anjana**, Asmita and Verma, A. 2014. Importance of indoor plants in enhancing beauty and improving environment. *In: R.K. Rao, P.K. Sharma and A.K. Singh (eds.). Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture.* Mahima Publications, Varanasi (ISBN: 978-81-92693-54-5). pp. 201-204.
 5. Singh, A.K., Reddy, B.R., **Sisodia, Anjana**, Krishna, VNPS, Thanuja Sivaram, G., Dewanjee, S. and Pal, A.K. 2014. Nanotechnology in crop production and improvement. *In: R.K. Rao, P.K. Sharma and A.K. Singh (eds.). Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture.* Mahima Publications, Varanasi (ISBN: 978-81-92693-54-5). pp. 236-244.
 6. Singh, A.K., Asmita, **Sisodia, Anjana**, Kumar, A., Pal, A.K., Singh, S.V. and Anand, A. 2014. Mutation breeding in ornamental crops. *In: R.K. Rao, P.K. Sharma and A.K. Singh (eds.). Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture.* Mahima Publications, Varanasi (ISBN: 978-81-92693-54-5). pp. 287-296.
 7. Singh, A.K., Sisodia, Vandana, **Sisodia, Anjana**, Thanuja Sivaram, G., Krishna, VNPS, Hembrom, R. and Kumar, A. 2014. Xeriscaping: sustainable gardening in drought-stricken areas. *In: R.K. Rao, P.K. Sharma and A.K. Singh (eds.). Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture.* Mahima Publications, Varanasi (ISBN: 978-81-92693-54-5). pp. 426-430.
 8. Singh, A.K. and **Sisodia, Anjana**. 2014. New emerging areas in floriculture and sustainable development. *In: J.P. Rai and S.K. Goyal (eds.). Agriculture and Rural Development in India.* MRF Publication, Varanasi (ISBN: 978-81-926935-6-9), pp. 70-75.
 9. Singh, A.K., Singh, J., **Sisodia, Anjana**, Reddy, R.S. and Pandey, A. 2014. Traditional and modern technologies for sustainable development of Horticulture. *In: J.P. Rai and S.K. Goyal (eds.). Agriculture and Rural Development in India.* MRF Publication, Varanasi (ISBN: 978-81-926935-6-9), pp. 76-82.
 10. **Sisodia, Anjana**, Singh, A.K. and Sisodia, V. 2014. Flower production in rural and peri-urban areas. *In: J.P. Rai and S.K. Goyal (eds.). Agriculture and Rural Development in India.* MRF Publication, Varanasi (ISBN: 978-81-926935-6-9), pp. 91-95.
 11. **Sisodia, Anjana**, Sisodia, V., Singh, J., Singh, A.K., Hemlata and Asmita. 2013. Significance of flowers and foliage in food and non-food products. *In: R.K. Rao, P.K. Sharma and K. Ghadei (eds.). Systemic Approach in Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing.* Mahima Research Foundation and Social Welfare, Varanasi (ISBN: 978-81-926935-2-1), pp. 1-8.
 12. Singh, J., **Sisodia, Anjana**, Sisodia, V., Singh, A.K., Reddy, R.S. and Hembrom, R. 2013. Marigold- as a source of nutrient supplement. *In: R.K. Rao, P.K. Sharma and K. Ghadei (eds.). Systemic Approach in Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing.* Mahima Research Foundation and Social Welfare, Varanasi (ISBN: 978-81-926935-2-1), pp. 15-20.
 13. Singh, A.K., **Sisodia, Anjana** and Kumar, Anuj. 2013. Post harvest management of horticultural produce: Recent development. *In: Swain, S.C. (ed.). Post Harvest Management of Horticulture Crops: Food and Nutritional Security.* Manglam Publication, New Delhi, pp. 23-51.

14. Semi Scientific/popular articles

1. Singh, A.K., **Sisodia, Anjana** and Padhi, M. 2017. Pushpa Udayog Me Liatris Ka Mahatva. *Vindhya Krishi*, **11**(3): 18-26.
2. **Sisodia, Anjana**, Padhi, M. and Singh, A.K. 2017. Zinnia Ki Unnat Jatiya Avam Vaigyanik Kheti. *Vindhya Krishi*, **11**(3): 27-38.

3. Singh, A.K., **Sisodia, Anjana**, Shivaram, G.T., Krishna, V.N.P.S., Hembrom, R., Ray, P. and Kumar, A. 2015. Guldaudi Ki Unnat Kisme, Pramukh Krishi Kriyaye Evam Pushpa Utpadan. *Vindhya Krishi*, 9(2): 43-53.
4. Krishna, V.N.P.S., Shivaram, G.T., Singh, A.K., **Sisodia, Anjana**, Anand, A., Pal, S. and Dakho, J. 2015. Chameli Ki Vaigyanik Vidhi Se Kheti Evam Shashyottar Prabandh. *Vindhya Krishi*, 9(2): 30-42.
5. **Sisodia, Anjana**, Shivaram, G.T., Krishna, V.N.P.S., Asmita, Barnawal, A.K., Moharana, D.P. and Singh, A.K. 2015. Bird of Paradize (Strelitzia) Ke Pushpotpadan Ki Sambhawanaye Evam Unnat Kheti. *Vindhya Krishi*, 9(2): 20-29.
6. **Sisodia, Anjana**, Singh, A.K., Sisodia, V., Singh, Smita and Shukla, U.N. 2014. Refreshing fruit- Litchi. *Kisan World*, 41(8): 43-48.
7. Singh, A.K. and **Sisodia, Anjana**. 2014. Gainda Ki Vyavasayik Vidhi Se Kheti. *Vindhya Krishi*, 8(2): 55-62.
8. Singh, A.K., **Sisodia, Anjana**, Singh, Jaymala, Hembrom, Raimani, Asmita and Hemlata. 2014. Gladiolus Ki Unnat Jatiyan Evam Vaygyanik Kheti. *Souvenir: Mandaliya Shakhbhangi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 37-44.
9. Singh, A.K., **Sisodia, Anjana**, Singh, Jaymala, Pandey, Amit and Reddy, B.R. 2014. Gerbera Ki Unnat Jaatiyan Evam Vaygyanik Kheti. *Souvenir: Mandaliya Shakhbhangi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 1-8.
10. **Sisodia, Anjana**, A.K. Singh and Jaymala Singh. 2014. Vyavasayik Pushp Utpadan Mein Rajanigandha ka Mahatav. *Vindhya Krishi*, 8(2): 1-7.
11. Singh, A.K., Kumar, Anuj and **Sisodia, Anjana**. 2013. Pushpa Utpadan Paripeshya Evam Sanbhavanaye. *Pragati*, BHU, 1: 75-80. ISSN: 2321-2934.
12. Singh, A.K., **Sisodia, Anjana**, Singh, Jaymala and Pal, A.K. 2013. Crossandra ke pushpodpadan ki Sambhawnayein evam Takniki. *Vindhya Krishi*, 7(3): 25-28.
13. **Sisodia, Anjana**, Singh, Jaymala, Pal, A.K. and Singh, A.K. 2013. Haritgrah mein Gulab ki Gunwattayukta Kheti. *Vindhya Krishi*, 7(3): 22-24.
14. Singh, A.K., **Sisodia, Anjana** and Singh, Jaymala. 2013. Rajnigandha Kee Vyavasayik Kheti. *Souvenir: Mandaliya Shakhbhangi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 5-12.
15. **Sisodia, Anjana**, Kumar, Anuj and Singh, A.K. 2012. Pot vegetables- A way to enjoy good health. *Indian Farmer's Digest*, 45(11): 29-31.
16. Singh, A.K., Kumar, Anuj, **Sisodia, Anjana** and Reddy, B.R. 2012. Pushp Udyog Mein Gerbera Ka Mahatav. *Vindhya Krishi*, 7(1): 52-54.
17. Singh, A.K., **Sisodia, Anjana**, Kumar, Anuj and Singh, Jaymala. 2012. Adhik Aay Ke Liye Gladiolus Kee Kheti, *Vindhya Krishi*, 7(1): 55-58.

15. Paper presented in Conference/Seminars

A. Oral

1. Flower as a source of aroma in food industries. International Conference on Agricultural, Allied Science and Biotechnology for Sustainability of Agriculture, Nutrition and Food Security, 25-26 November, 2017, Mahima Research Foundation and Social Welfare organized at B.H.U.
2. Mitigating challenges of climate change through protected cultivation. *In: International Conference on Sustainable Natural Resource Management: From Science to Practice*. Dept. Farm Engineering, Inst. Ag. Sci., B.H.U., Varanasi, 12-13, January, (2017).
3. Effect of gamma irradiation on various morphological changes in gladiolus cultivars. *In: National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture*, Udai Pratap College, Varanasi, 28-29 Nov, (2016).
4. Flower pigments: A new dimension of enhancing nutrient values. *In: 30th National Conference on Agricultural Marketing*. 20-22 October, 2016. Dept. Ag. Eco., Inst. Ag. Sci., B.H.U., Varanasi.
5. Significance of flowers in food industries. *In: International Conference on Recent Advances in Food Processing and Biotechnology*, 05-06 April, CFT, I. Ag. Sc., BHU, Varanasi, India.

6. Response of manure and bio-fertilizers on growth and flowering in tuberose (*Polianthes tuberosa*). *In: National Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities*, 22-23 December, B.H.U., Varanasi (2012).
7. Significance of flowers and leaves in food and non-food products. *In: National Conference on Systematic approach on Implementation of Informational and Resource Saving Technologies in Food Crop Production: Prerequisite for Eco-Balancing*, Mahima Research Foundation and Social Welfare, 23-24 November, B.H.U., Varanasi (2013).
8. Concept of container gardening in urban areas. *In: 12th International Asian Urbanization Conference- Urban Dynamics, Environment and Health: Challenges for the 21st Century*, 28-30 December, Faculty of Science, BHU, Varanasi, India (2013).
9. Flower production in rural and peri urban areas and climate change. *In: National Seminar on Indian Agriculture and Rural Development in Changing Global Scenario*, 7th February, Krishi Vigyan Kendra, Inst. of Agril. Sci., BHU, RGSC, Barkachha, Mirzapur.(2014).

B. Poster

1. Effect of farmyard manure, *Azotobacter* and phosphate solubilizing bacteria on flowering and post-harvest life in tuberose. *In: 2nd UP Agricultural Science Congress*, 14-16 June, UPCAR, Lucknow (2014).
2. Native plants for green environment of peri urban and urban areas. *In: 2nd UP Agricultural Science Congress*, 14-16 June, UPCAR, Lucknow (2014).
3. Effect of gamma doses on morphological parameters, post-harvest life and mutagenesis in gladiolus. *In: 2nd UP Agricultural Science Congress*, 14-16 June, UPCAR, Lucknow (2014).
4. Induced mutation and changes in flowering attributes in gladiolus varieties through gamma irradiation. *In: 2nd UP Agricultural Science Congress*, 14-16 June, UPCAR, Lucknow (2014).
5. Effect of FYM, azotobacter and PSB on flowering, bulb parameters and post harvest life in tuberose. *In: National Seminar on Protected Cultivation of Horticultural Crops and Value Addition*, 29-30 November, SHIATS, Allahabad (2013).

16. T.V. Talk

1. Sisodia, Anjana. 2016. “*Gaillardia Phool ki Kheti*” for Doordarshan, Varanasi, Broadcasted on 22.07.2016.

Total Publications

▪ Research Papers (Published)	36
▪ Proceeding Papers	06
▪ Paper presented in Seminar/Symposium/Conferences	100
▪ Books	01
▪ Book Chapters	13
▪ Semi-scientific/Popular Articles	17

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