

Bio – Data

Dr. Anil Kumar Singh
Professor (Horticulture) & Ex-Head



Department of Horticulture
Institute of Agricultural Sciences
Banaras Hindu University
Varanasi-221 005, U.P., INDIA

BIO – DATA

- 1. Name** : **DR. ANIL KUMAR SINGH**
2. Date of Birth : 4th August, 1966
3. Nationality : Indian
4. Permanent Address : 2/4, Pragyapuri Colony,
Near Hyderabad Gate (BHU),
Susuwahi, Varanasi-221 005
Uttar Pradesh, India
5. Correspondence Address : Dr. Anil Kumar Singh
Professor & Ex Head
Department of Horticulture
Institute of Agricultural Sciences
Banaras Hindu University
Varanasi-221 005, Uttar Pradesh, India
Phone & Fax: 07318008764 (Mobile)
09450237065 (Mobile)
Email: anilksingh_hort@rediffmail.com

6. Academic Record

Degree/ Certificate	Board/ University	Subject	Division	Marks (%)	Year
High School	U.P. Education Board, Allahabad	Agriculture	First	70.40	1982
Intermediate	U.P. Education Board, Allahabad	Agriculture	First	66.40	1984
B.Sc. (Ag.)	Gorakhpur Univ., Gorakhpur	Agriculture	First	70.38	1987
M.Sc. (Ag.)* Horticulture	Meerut Univ., Meerut	Horticulture	First	82.10	1989
M.Phil. (Horticulture)	Meerut Univ., Meerut	Horticulture	First	76.50	1990
Ph.D. (Horticulture)	Meerut Univ., Meerut	Horticulture	Degree Awarded		1993

*Top position in the University

7. Career Record

S. No.	Post/designation	Duration		Institute/University	Grade
		From	To		
1.	Professor	14.11.2006	Till date	Institute of Agricultural Sciences, Banaras Hindu University, Varanasi	Rs.37,400+10, 000-67,000/-
2.	Associate Professor	14.10.2002	13.11.2006	GBPUA&T, Pantnagar	Rs. 12,000- 18,300/-
3.	Assist. Professor (Sr. Scale)	15.04.1999	13.10.2002	GBPUA&T, Pantnagar	Rs. 10,000- 15,300/-
4.	Lecturer (Senior Scale)	14.10.1997	10.04.1999	SASRD, Nagaland University, Medziphema	Rs. 10,000- 15,300/-
5.	Training Associate/ Lecturer	14.10.1993	13.10.1997	KVK (DRI), Banda and SASRD, Nagaland University, Medziphema	Rs.2200- 4000/-

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

1. U.P. Merit Scholarship in Intermediate.
2. Top Position in the University in M.Sc. (Ag.).
3. University Merit Scholarship in M.Phil.
4. Junior Research Fellowship in NWDB Project of Ministry of Environment and Forest, New Delhi.
5. **Associate Editor of Progressive Horticulture**, a Scientific Journal of Hill Horticulture Development Society, Chaubattia-263 651, Almora, Uttarakhand, India.
6. Selected to serve as Assistant Professor in the Department of Plant Sciences, **University of Asmara, Eritrea**.
7. Referee of different Scientific Journals of Prime Importance in the field of Horticulture.
8. Expert for the postgraduate examination of various Central and State Universities.
9. **Best Paper Award (oral) on "Evaluation of germplasm of *Antirrhinum majus* for vegetative and flowering traits" in National Conference of Ornamental Horticulture Society of India at Meerut (5-8 March, 2011).**
10. **Executive Councillor of Indian Society of Hill Agriculture, Uttarakhand.**
11. **Appointed Member of Institute Management Committee of Central Institute of Subtropical Horticulture, Lucknow by Director General, I.C.A.R., Pusa, New Delhi for 3 years.**
12. **Mahima Agricultural Excellence Award 2014 by Mahima Research Foundation and Social Welfare, Karaundi, BHU, Varanasi, U.P., India.**
13. Chairman, Technical Session in International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, BHU, Varanasi (15-16 Nov., 2014).
14. Chairman, Technical Session in International Symposium on Innovation in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, BBAU, Lucknow (16-18 Oct., 2014).
15. Chairman, Technical Session in 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).
16. Co-chairman, Technical Session in National Seminar on Protected Cultivation of Horticultural Crops and Value Addition, SHIATS, Allahabad (29-30 November, 2013).
17. Chairman, Technical Session 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, B.H.U., Varanasi (23-24 November, 2013).
18. Chairman, Technical Session in Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, Mahima Research Foundation and Social Welfare, B.H.U., Varanasi (22-23 December, 2012).
19. Co-chairman, Technical Session in National Conference on Recent Trends and Future Prospects in Floriculture, SVPUA&T, Meerut (5-8 March, 2011).
20. Convener, Technical Session in National Conference on Floriculture for Livelihood and Profitability, IARI, New Delhi (16-19 Mar., 2009).
21. Fellow of Indian Horticulture Society, New Delhi
22. Fellow of Indian Society of Horticultural Research & Development, Uttarakhand.
23. Fellow of Manvadhikar Samajik Manch, New Delhi.
24. Fellow of Indian Society of Hill Agriculture, Uttarakhand.

9. Administrative Experience

1. **Head**, Department of Horticulture, Institute of Agricultural Sciences, BHU, Varanasi-251 005 from 03.09.2012 to 03.09.2015.
2. **Professor-in-Charge**, Horticulturist Unit, Banaras Hindu University, Varanasi from **04.07.2015**.
3. **Professor-in-Charge**, Horticulturist Unit, Banaras Hindu University, Varanasi from 26.07.2010 to 14.01.2012. Horticulturist Unit is headed by Prof.-in-Charge, who looking after plantation of fruit and ornamental plants and Landscaping of entire BHU campus as well as Rajiv Ghandhi South Campus of BHU including care and management of plants with support of Horticulturist, Assistant Horticulturists, Horticulture Inspectors, Sector Supervisors, Malis alongwith Office Personnels.
4. **Chairman**, Plantation and Campus Beautification Committee, BHU, Varanasi (2007-2010).

5. **Associate Director & Incharge**, Model Floriculture Centre, G.B.P.U.A.&T., Pantnagar from 18.09.2006 to 13.11.2006.
6. Assistant Warden of Subhash Bhawan (Hostel) and Nehru Bhawan (Hostel), G.B.P.U.A.&T., Pantnagar for four years.

10. Research Projects- Completed/On-going

S. No.	Title of Project	Funding Agency	Fund (Lakhs)	Period
1.	Development of Agrotechniques for quality planting material and commercial production of long pepper (<i>Piper longum</i> L.).	NMPB, Govt. of India, New Delhi	18.0	2002- 2005
2.	Collection, evaluation of germplasm and cultural studies of medicinal and aromatic plants.	University Funded	-	1999-2006
3.	Production of quality planting material in Bulgarian rose.	Horticulture Technology Mission	10.0	2004-2006
4.	Collection, evaluation and development of agrotechniques for perfume yielding plants i.e. Rose & Jasmine.	University Funded	-	1999-2006
5.	Quality flower seed production of marigold, antirrhinum and statice.	Horticulture Technology Mission	3.5	2005-2006
6.	Evaluation, characterization and genetic improvement of <i>Antirrhinum majus</i> L. for flower production.	DST, New Delhi	7.6	2006
7.	Hi-tech horticulture for production of ornamentals.	ICAR, New Delhi	10.0	2006- cont..
8.	Establishment of model nursery for fast multiplication of elite clone and new varieties of mango, guava, aonla, ber and bael.	National Horticulture Mission	18.0	2010-2011
9.	Experiential Learning: Commercial Horticulture.	ICAR, New Delhi	40.0	2011- cont..
10.	Technology demonstration for flower and seed production of marigold and production of vermi-compost from floral offering of temples for the welfare of SC/ST population of U. P.	DBT, New Delhi	20.0	2012-2015
11.	Integration of high value flower and vegetable crops for sustaining production and productivity of existing fruit orchards.	UPCAR, Lucknow	21.2	2014-2017

11. Significant Achievements

(A) In the area of teaching

Design of curriculum

- Developed course of "Project Work" for U.G students on various aspects of Horticulture i.e. Plant Propagation, Nursery and Pot Plants Management and Flower Production.
- Developed course on "Landscape Gardening" for P.G. Programme.
- Developed course on "Commercial Flower Production" for P.G. Programme.
- Developed course on "Flower Seed Production" for P.G. Programme.
- Developed course on "Advanced Landscape Design" for P.G. Programme.
- Developed course on "P.C.P. on Floriculture" for U.G. Programme.

(B) In the area of research

- Developed 3 varieties of gladiolus i.e. Malaviya Kiran, Malaviya Shatabdi and Malaviya Kundan.
- Evolved 3 mutants (stable) in gladiolus.
- Evolved male sterile line of *Antirrhinum majus*.
- Developed hybrids of *Antirrhinum majus* for different purposes viz., bedding, rockery and cut flower.

- Introduced *Lilium* and gerbera for research under polyhouse conditions.
- Evaluated and screened *Antirrhinum* germplasm for bedding and mass effect.
- Followed continuous selfing to make the selected germplasm homozygous.
- Evaluated and screened balsam germplasm for bedding and mass effect.
- Followed continuous selfing to make the selected germplasm purified.
- Selected male sterile lines in marigold.
- Find out better performance of *Piper longum* in July month when planting was done at monthly interval from July to June under Tarai conditions of Uttarakhand.
- Standardized varieties of gladiolus for summer season cultivation in Nagaland.
- Optimized spacing and nitrogen dose in gladiolus.
- Standardized propagation of *Poinsettia pulcherrima* and its Pot Management for flowering during Christmas period (December).
- High density (6 plants/m²) planting of rose cultivar Gruss-an-Teplitz under open conditions.
- Recommendations of rice-straw mulching in rose to control the weeds and reduced 6 manual weeding or application of herbicides like Metribuzin, Pendimethelin and Atrazine.
- Application of paclobutrazol in pot marigold (*Calendula officinalis*) to reduce the vegetative growth and enhance the flower production.
- Application of paclobutrazol in African marigold (*Tagetes erecta*) to reduce the plant height and increase the flower and seed yield.
- Standardized leaf sampling techniques in Bael (*Aegle marmelos* Correa.).
- Standardized 2 split applications of nitrogen doses in rose cv. Gruss-an-Teplitz (It is more beneficial than 5 split application of N).
- Recommendation of 4 kg FYM/m² + Azotobacter to reduce the half recommended dose of N, P and K (25, 20 and 15 g/m²) in rose cv. Gruss-an-Teplitz.

12. Experience of Guiding Research-

No. of Ph.D. Produced: 11

No. of Ph.D. under supervision: 5

No. of M.Sc. (Ag.) Produced: 36

No. of M.Sc. (Ag.) under supervision: 4

Ph.D. Students

S. No.	Name of student	Thesis title	Year
1.	Dr. Kapil Pawan Pant	Effect of systemic resistance inducers on growth parameters, yield and oil quality in rose scented geranium (<i>Pelargonium graveolens</i> L. Heritt).	2005
2.	Dr. Shiva Jauhari	Hybrid breeding in snapdragon (<i>Antirrhinum majus</i> L.).	2006
3.	Dr. S.S. Solankey	Hybrid breeding in okra [<i>Abelmoschus esculentus</i> (L.) Monech].	2010
4.	Dr. Anuj Kumar	Studies on gamma irradiation and post-harvest management in gladiolus.	2013
5.	Dr. Anjana Sisodia	Studies on gamma rays induced morphological changes and mutants in gladiolus varieties.	2014
6.	Dr. Karma Beer	Effect of vermicompost and biofertilizers on growth, yield, quality and leaf nutrient contents of strawberry.	2015
7.	Dr. B. Rajshekhar Reddy	Genetic analysis of yield and quality components in tomato (<i>Solanum lycopersicum</i>).	2015
8.	Arun Kumar	Effect of biologically safe chemicals, bio-agents and organic products on sap burn and postharvest life in mango cv. Langra.	2015
9.	Dr. Tejraj Hada	Evaluation of mango (<i>Mangifera indica</i> L.) cultivars for quantitative and qualitative attributes.	2017
10.	Dr. Mohammed Ali Muthanna	Effect of boron and sulphur application on growth, yield and quality of potato (<i>Solanum tuberosum</i> L.).	2017
11.	Dr. Neeharika Kanth	<i>In-vitro</i> propagation studies in papaya (<i>Carica papaya</i> L.).	2017

M.Sc. (Ag.) Students

S. No.	Name of student	Thesis title	Year
1.	Ms. Bijimol G.	Effect of spacing and nitrogen levels on growth, flowering, corm and cormel production in gladiolus (<i>Gladiolus grandiflorus</i> L.) cv. Red Beauty.	1999
2.	Ms. Atsede Solomon	Effect of nitrogen on growth flowering and nutrient uptake in rose cv. Gruss-an-Teplitz.	2002
3.	Mr. Mahesh Kumar	Standardization of leaf sampling technique in Bael (<i>Aegle marmelos</i> Correa).	2003
4.	Ms. Deepti Singh	Germplasm evaluation of marigold under tarai conditions.	2004
5.	Ms. Nalini Singh	Variability and correlation studies in balsam (<i>Impatiens balsamina</i> L.).	2006
6.	Ms. Kusum Martolia	Variability and correlation studies in lupin (<i>Lupinus hartwegii</i> L.).	2006
7.	Mr. Jitendra Maurya	Variability studies in balsam (<i>Impatiens balsamina</i> L.).	2008
8.	Mr. Shiva Ratan Gupta	Effect of various potting media on growth attributes in Dieffenbachia, Aluminium Plant, Variegated Ficus and Wax Begonia.	2008
9.	Mr. G.R. Sharma Wagle	Evaluation of gladiolus cultivars for post harvest studies.	2009
10.	Ms. Priyanka Sharma	Influence of plant growth regulators and varieties on growth, flowering, bulb production and vase life in tuberose (<i>Polianthes tuberosa</i> L.).	2009
11.	Ms. Astha Gupta	Genetic and molecular diversity studies in maize (<i>Zea mays</i> L.).	2010
12.	Ms. Neetu	Effect of GA ₃ and kinetin on growth, flowering and corm production in gladiolus.	2010
13.	Mr. Naba Raj Ghimire	Variability and correlation studies in gladiolus.	2010
14.	Mr. Gaurav Singh	Effect of farmyard manure, <i>Azotobacter</i> and phosphate solubilizing bacteria on growth, flowering, bulb production and vase life in tuberose (<i>Polianthes tuberosa</i> L.).	2011
15.	Mr. Pavan Kumar	Effect of pinching, urea and GA ₃ on growth, flowering and seed attributes in African marigold (<i>Tagetes erecta</i> L.).	2011
16.	Mr. Amit Pandey	Effect of vermicompost and biocontrol agent on growth, flowering, postharvest life and corm yield in gladiolus cv. J.V. Gold.	2012
17.	Mr. Karam Chand Maurya	Effect of organic manure and bio-agent on growth, flowering and yield attributes in gladiolus.	2012
18.	Ms. Abha Kirty	Effect of foliar application of boron and zinc on growth, flowering and seed yield in African marigold cv. Pusa Narangi Gaiinda.	2013
19.	Mr. Amresh Kumar	Evaluation of tuberose cultivars for growth, flowering, bulb yield and post-harvest life.	2013
20.	Mr. Kulveer Singh Yadav	Effect of GA ₃ and kinetin on growth, flowering and seed characters in marigold cv. Pusa Narangi Gaiinda.	2013
21.	Ms. Rakhi Kumari	Effect of maleic hydrazide and alar on growth, flowering and seed yield in African marigold.	2013
22.	Ms. Asmita	Effect of zinc and copper on growth, flowering, post-harvest life and yield attributes in gladiolus and liliium.	2014
23.	Ms. Hemlata	Influence of paclobutrazol on growth, flowering and yield parameters in African marigold and lily.	2014
24.	Ms. Raimani Hembrom	Effect of zinc and iron on growth, flowering, post-harvest life and yield attributes in liliium and gladiolus.	2014
25.	Mr. Avanish Anand	Effect of herbicides and mulching on weed dynamics, growth, flowering, and corm yield in gladiolus.	2015
26.	Mr. Jonah Dakho	Studies on genetic variability, heritability, genetic advance and correlation analysis in tuberose (<i>Polianthes tuberosa</i> L.).	2015

27.	Mr. Priyabrata Ray	Variability and correlation studies in Indian and exotic cultivars of gladiolus.	2015
28.	Mr. Sumit Pal	Evaluation and genetic analysis in various genotypes of balsam (<i>Impatiens balsamina</i> L.).	2015
29.	Mr. Avinash Kumar	Influence of B-9, cycocel and paclobutrazol on growth, flowering, yield and post-harvest parameters in lily cv. Jazzit.	2016
30.	Ms. Babita Choudhury	Genetic analysis of yield and its components in okra [<i>Abelmoschus esculentus</i> (L.) Moench].	2016
31.	Mr. Mithilesh Kumar Kapari	Effect of GA ₃ and BA on growth, flowering, yield and post-harvest parameters in lily.	2016
32.	Mr. Saroj Nath Patel	Effect of B9 and paclobutrazol on growth, flowering, yield and post-harvest parameters in lily.	2016
33.	Ms. Sunita Maurya	Genetic variability, correlation and path coefficient analysis in diverse genotypes of cowpea [<i>Vigna unguiculata</i> (L.) Walp.].	2016
34.	Ms. Manisha	Genetic variability, heritability, correlation and path coefficient analysis in cucumber (<i>Cucumis sativus</i> L.).	2017
35.	Mr. Raju Sah	Effect of gamma irradiation on growth, flowering and bulb characters in tuberose varieties.	2017
36.	Mr. Vinay Singh	Effect of pinching and nitrogen on growth, flowering and seed yield of African marigold cv. Pusa Narangi Ganda.	2017

13. Teaching Experience (Courses taught)

Nagaland University, Medziphema, Nagaland (1997-1999)

U.G.

1.	Nursery Management and Plant Propagation	HOR-411 (2+1=3)
2.	Olericulture and Floriculture	HOR-201 (2+1=3)
3.	Forest Conservation and Production	HOR-413 (2+1=3)
4.	Project Work	HOR-102 (0+2=2)

P.G.

1.	Fundamentals of Fruit Production	HOR-501 (3+1=4)
2.	Nursery Husbandry	HOR-502 (2+1=3)

G.B. Pant University of Agriculture & Tech., Pantnagar, U.S. Nagar, Uttarakhand (1999-2006)

U.G.

1.	Fundamentals of Horticulture	APH-311 (2-0-1x3=3)
2.	Ornamental Horticulture	APH-320 (2-0-1x3=3)

P.G. & Ph.D.

1.	Orchard Management	APH-513 (2-0-1x3=3)
2.	Medicinal and Aromatic Plants	APH-531 (2-0-1x3=3)
3.	Flower Seed Production	APH-624 (2-0-1x3=3)
4.	Landscape Gardening	APH-625 (2-0-1x3=3)
5.	Research Methods in Horticultural Crops	APH-733 (0-0-2x3=2)
6.	Advances in Landscape Design	APH-736 (2-0-1x3=3)

Banaras Hindu University, Varanasi, U.P.

(2006-Conti.)

U.G.

1.	Fundamentals of Horticulture	HOR-111
2.	Production Technology of Vegetables and Flowers	HOR-121
3.	Ornamental Horticulture	HOR-221
4.	Silviculture and Agroforestry	HOR-321
5.	Landscaping and Floriculture	HOR-454
6.	Hi-tech Horticulture	HOR(E)-421
7.	Commercial Floriculture	HOR(E)-422
8.	Commercial Horticulture	HOR(E)-422

P.G. & Ph.D.

1.	Landscaping and Ornamental Gardening	HOR-503
2.	Breeding of Horticultural Crops	HOR-504
3.	Production Technology of Ornamental Plants	HOR-510
4.	Production Technology of Cut Flowers	HOR-512
5.	Advances in Flower Production Technology	HOR-605
6.	Advances of Breeding of Flower Crops	HOR-606
7.	Seminar (M.Sc.)	HOR-550
8.	Seminar (Ph.D.)	HOR-650/651/652

14. Additional Responsibilities

1. Member, Advisory Committee and Task Group for Sustainable Campus Initiative, BHU, Varanasi.
2. Member Secretary, Task Force for Plantation, BHU, Varanasi.
3. Convener, Task Group for Biodiversity Conservation, BHU, Varanasi.
4. Member, Task Group for Solid Waste Management, BHU, Varanasi.
5. Chairman, Plantation and Campus Beautification Committee, BHU, Varanasi (2007-2010).
6. Member, Infrastructure Development Cell, Institute of Agricultural Sciences, BHU, Varanasi (2007-2010).
7. Chairman, Plantation cum Beautification Committee, RGSC, Barkachha, BHU (2007-2010).
8. Assistant Warden of Subhash Bhawan (Hostel), G.B.P.U.A.&T., Pantnagar (1999-2001).
9. Assistant Warden of Nehru Bhawan (Hostel), G.B.P.U.A.&T., Pantnagar (2001-2003).
10. In-charge Academic Affairs, Department of Horticulture, G.B.P.U.A.&T., Pantnagar.
11. In-charge of Graduate Assistantship Examination, Department of Horticulture, G.B.P.U.A.&T., Pantnagar.
12. Member, College Disciplinary Committee, G.B.P.U.A.&T., Pantnagar.
13. In-charge, Course Curriculum Committee, Department of Horticulture, G.B.P.U.A.&T., Pantnagar.

15. Organization of Programme

1. Organized 7th Refresher Course in Agricultural Sciences on Recent Development in Agriculture (Jan.07-Feb.06, 2009).
2. Flower Show and Exhibition at Rajiv Gandhi South Campus (RGSC), BHU, Mirzapur on 24.12.2010.
3. Malviya Memorial Flower Show and Exhibition at Rajiv Gandhi South Campus (RGSC), BHU, Mirzapur on 24.12.2010.
4. Nineteen (19) Training Programmes of Farmers of Varanasi, Jaunpur and Mirzapur districts under National Horticulture Mission Programme.
5. Three (3) Training Programmes of Farmers of Unnao, Ballia, CSM Nagar, Deoria, Chandauli, Mirzapur Ghazipur, Sultanpur, Azamgarh, Sonbhadra and Fatehpur districts under Uttar Pradesh Diversified Agriculture Support Project (UPDASP), Lucknow.
6. Two (2) Training Programmes on Gardener cum Landscapers for 15 days to the youths of Uttar Pradesh under UPDASP Project, Lucknow.

16. Membership of Professional Societies

1. Life member of Indian Horticultural Society.

2. Life member of Indian Society of Ornamental Horticulture.
3. Life member of Hill Horticulture Development Society.
4. Life member of South Indian Horticulture Association.
5. Life member of Indian Association of Hill Farming.
6. Life member of Hi-Tech Horticultural Society.
7. Life member of Society for Advancement of Research on Pomegranate.

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

1. National Seminar on Sustainable Management of Environment for Livelihood Security through Skill Development for Smart Agriculture, Udai Pratap College, Varanasi (28-29 Nov, 2016).
2. 7th Indian Horticulture Congress. Horticultural Society of India. New Delhi (15-18 Nov., 2016)
3. National Seminar on Sustainable Horticulture vis-à-vis Changing Environment, SASRD, Nagaland University, Medziphema, Nagaland (26-28 Feb., 2015).
4. National Seminar on Sustainable Rural Development through Soil Fertility Management in Agriculture, RGSC, BHU, Barkachha, Mirzapur (14-15 Feb., 2015).
5. International Conference on Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture, BHU, Varanasi (15-16 Nov., 2014).
6. Asian Plant Science Conference, Bhairahawa, Lumbini, Nepal (01-03 Nov., 2014).
7. International Symposium on Innovation in Horticulture for Nutritional Security, Conserving Biodiversity and Poverty Alleviation, BBAU, Lucknow (16-18 Oct., 2014).
8. National Workshop on Advances in PGPR Research, BHU, Varanasi (7-8 Oct., 2014).
9. 2nd U.P. Agricultural Science Congress. Organized by U.P. Council of Agricultural Research, Lucknow (14-16 June, 2014).
10. Brain Storming Session on Potential of Modern Tools for Improving the Productivity of Agricultural Crops, UPCAR, Lucknow (5th May, 2014).
11. National Seminar on Sustainable Water Resource Management in Era of Changing Climate. Institute of Environment and Sustainable Development, BHU, Varanasi (10-11 January, 2014).
12. 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).
13. National Seminar on Protected Cultivation of Horticultural Crops and Value Addition, SHIATS, Allahabad (29-30 November, 2013).
14. 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).
15. The 4th International Conference on Landscape and Urban Horticulture, 12-14 September, Science City, Kolkata, West Bengal (12-14 September, 2013).
16. National Seminar on Climate Change and Indian Horticulture, BAU, Sabour, Bihar (25-27 May, 2013).
17. Seminar on Integrated Farming Systems for Sustainable Agriculture in Global Market: Challenges and Opportunities, Mahima Research Foundation and Social Welfare, B.H.U., Varanasi (22-23 December, 2012).
18. National Conference on Recent Trends and Future Prospects in Floriculture, SVPUA&T, Meerut (5-8 March, 2011).
19. 43rd Annual Convention of Indian Society of Agril. Chemists and National Conference on Soil Management for Achieving Food Security and Nutritional Safety under Normal and Intensified Agroecosystems BHU, Varanasi (01- 02 Nov., 2010).
20. SAARC Workshop on Biodiversity Conservation, BHU, Varanasi (21-22 Sept. 2010).
21. National Conference on Floriculture for Livelihood and Profitability, IARI, New Delhi (16-19 Mar., 2009).
22. National Seminar on Sustainable Horticultural Research in India: Perspective, Priorities and Preparedness, BBA University, Lucknow (14-15 Apr., 2008).
23. Platinum Jubilee Alumni Meet, Institute of Agricultural Sciences, B.H.U., Varanasi (January 05-06, 2008).
24. Workshop on Dissemination of Census-2001 result by Directorate of Census Operations, Uttar Pradesh, B.R. Ambedkar University, Lucknow (January 01, 2008).

25. 24th All India Rose Convention and Show, Bhubaneswar (January 14-16, 2006).
26. National Symposium on Sustainable Production and Export of Horticultural Crops, Society for Advancement of Horticulture, BCKV, Kalyani (December 2-4, 2005).
27. International Conference on Plasticulture and Precision Farming. National Committee on Plasticulture Applications in Horticulture, GOI, New Delhi (November 17-21, 2005).
28. National Conference on Value Added Agricultural Education Issues & Strategies. College of Agriculture, GBPUA&T, Pantnagar (October 21-22, 2005).
29. National workshop on Plant Variety Protection by Patent Information Centre, GBPUA&T, Pantnagar (October 16-17, 2005).
30. Workshop on IPRs organized by Patent Information Centre, GBPUA&T, Pantnagar (August 5-6, 2005).
31. National Consultative Workshop on Medicinal and Aromatic Plants, GBPUA&T, Pantnagar (June 25-27, 2005).
32. 1st Indian Horticulture Congress on Improving Productivity, Quality, Post-harvest Management and Trade in Horticultural Crops. The Horticultural Society of India, IARI, New Delhi (November 6-9, 2004).
33. National Seminar on Diversification of Agriculture through Horticultural Crops, NHRDF & IARI, Karnal (February 21-23, 2004).
34. International Seminar on Recent Trends in Hi-tech Horticulture & Postharvest Technology, CSAUA&T, Kanpur (February 4-6, 2004).
35. National Symposium on Improving Crop Productivity in an Ecofriendly Environment: Physiological and Molecular Approaches. GBPUA&T, Pantnagar (October 15-17, 2003).
36. National Symposium on organic farming in Horticulture for sustainable production. CISH Lucknow (August 29-30, 2003).
37. IPR cum WTO Issues: Relevance for Uttaranchal, a Training Programme for Faculty Members and State Government Officials, organized by GBPUA&T, Pantnagar (February 27-28, 2003).
38. Workshop on Uttaranchal mein aushadhiya aivam sagandhiya paudhon ke pravardhan aivam utpadan ki sambhavnayein. Haldwani, Uttaranchal (February 26-27, 2003).
39. 5th Agricultural Scientist and Farmers Congress, Allahabad (February 15-16, 2003).
40. 6th Agricultural Science Congress, Bhopal (February 13-15, 2003).
41. International Conference: Indian Organic Products- Global Markets, Vigyan Bhawan, New Delhi (November 28 - December 2, 2002).
42. WTO cum IPR Training Programme for Faculty Members and State Government Officials , organized by GBPUA&T, Pantnagar (March 22-23, 2002).
43. National Symposium on Indian Floriculture in the New Millennium, Lal Bagh, Bangalore (February 25-27, 2002).
44. National Workshop on Reorientation of diversified agroforestry system for profitable rural industries, GBPUA&T, Pantnagar (March 26-27, 2001).
45. International Conference NFAEB, Hisar (March 7-10, 2001).
46. National Conference on Gladiolus, NBRI, Lucknow (January 24-25, 2000).
47. National Seminar on Management Strategies for North-Eastern Hilly Ecosystems, ICAR Res. Complex, Umiam (August 8-10, 1998).
48. International Festival of Orchid, OSA, Arunachal Pradesh (April 17-18, 1998).

18. Publications

A. (I) National Journal Papers

1. **Singh, A.K.**, Hembrom, R., Sisodia, A. 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. Kanth, N., **Singh, A.K.** and Syamal, M.M. 2017. Effect of sucrose concentration on shoot proliferation of papaya (*Carica papaya* L.). *Int. J. Curr. Microbiol. App. Sci.*, **6**(10): 1638-1642.
3. Kanth, N., **Singh, A.K.** and Syamal, M.M. 2017. Effect of media ph on shoot proliferation of papaya (*Carica papaya* L.). *Int. J. Curr. Microbiol. App. Sci.*, **6**(10): 1633-1637.
4. Muthanna, M.A., **Singh, A.K.**, Singh, R. and Tiwari, A. 2017. Effect of boron and sulphur application on postharvest quality after storage and reconditioning of potato (*Solanum tuberosum* L.). *Int. J. Curr. Microbiol. App. Sci.*, **6**(10): 1028-1035.

5. Muthanna, M.A., **Singh, A.K.**, Tiwari, A., Jain, V.K. and Padhi, M. 2017. Effect of boron and sulphur application on plant growth and yield attributes of potato (*Solanum tuberosum* L.). *Int. J. Curr. Microbiol. App. Sci.*, **6**(10): 399-404.
6. **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.
7. 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.
8. **Singh, A.K.**, Kumar, P., Sisodia, A., 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.
9. 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.
10. Hada, T.S. and **Singh, A.K.** 2017. Evaluation of potentiality of mango (*Mangifera indica* L.) cultivars for physico-chemical attributes of fruit. *Int. J. Curr. Microbiol. App. Sci.*, **6**(6): 1080-1086.
11. Hembrom, R., **Singh, A.K.**, Sisodia, A., Pal, A.K. and Singh, B.K. 2017. Postharvest life and bulb yield of liliun as influenced by foliar application of zinc and iron. *Environment & Ecology*, **35**(2D): 1487-1489.
12. Beer, Karma and **Singh, A.K.** 2017. Effect of vermicompost and biofertilizers on quality parameters and leaf nutrient concentration of straw berry. *Green Farming*, **8**(3): 647-651.
13. Singh, B.K., Pal, A.K., Verma, A., **Singh, A.K.**, Yadav, K.S. and Tiwari, A. 2017. Impact of integrated nutrient management on physico-chemical attributes in strawberry (*Fragaria × ananassa* Duch.) cv. Chandler. *Environment & Ecology*, **35**(1A): 363-367.
14. **Singh, A.K.** and Dakho, Jonah. 2017. Evaluation on performance and superiority of tuberose (*Polianthes tuberosa* L.) cultivars for growth and flowering under north Indian plain. *Environment & Ecology*, **35**(1A): 341-345.
15. **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.
16. **Singh, A.K.** and Hemlata. 2016. Influence of paclobutrazol on growth and seed yield in African marigold. *Environment and Ecology*, **34**(4A): 1900-1902.
17. Solankey, S.S., **Singh, A.K.** and Singh, R.K. 2016. Heterosis of okra resistance sources for okra yellow vein mosaic virus (OYVMV) in okra (*Abelmoschus esculentus*). *Indian Journal of Agricultural Sciences*, **86**(11): 1460-1465.
18. Neetu, Kumar, R. and **Singh, A.K.** 2016. Effect of different kinetin concentration on growth and flowering attributes in gladiolus cultivars. *Agricultural Science Digest*, **36**(4): 319-322.
19. **Singh, A.K.**, Asmita, Sisodia, A., Pal, A.K. and Barman, K. 2016. Effect of sucrose and aluminium sulphate on postharvest life of Lilium cv. Monarch. *J. Hill Agriculture*, **7**(2): 204-208.
20. **Singh, A.K.**, Hembrom, R., Sisodia, A., 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): 1016-1019.
21. Singh, B.K., Pal, A.K., **Singh, A.K.**, Verma, A. and Kumar, Arun. 2016. Impact of integrated nutrient management on floral and commercial yield characters of strawberry (*Fragaria x ananassa* Duch.). *Research in Environment and Life Sciences*, **9** (4): 404-406.
22. Kumari, Seema, Pal, A.K., Yadav, K.S., Singh, B.K. and **Singh, A.K.** 2016. Performance of various genotypes of radish under field and low tunnel polyhouse condition. *Advances in Life Sciences*, **5**(7): 2908-2911.
23. Singh, B.K., Pal, A.K., **Singh, A.K.** and Verma, A. 2016. Impact of integrated nutrient management on chlorophyll and nutrients concentration in strawberry leaf cv. Chandler. *Green Farming*, **7**(4): 990-992.
24. Reddy, B.R., **Singh, A.K.**, Pal, A.K., Reddy, G.E. and Reddy, M.P. 2016. Heterosis for yield and yield related components in tomato (*Solanum lycopersicum* L.). *Green Farming*, **7**(4): 824-827.
25. Reddy, B.R., **Singh, A.K.**, Pal, A.K., Reddy, G.E. and Reddy, M.P. 2016. Genetic diversity for yield and quality components in tomato (*Solanum lycopersicum* L.). *Green Farming*, **7**(4): 828-830.
26. Tiwari, A., **Singh, A.K.**, Kanth, N., Pal, S. and Hada, T.S. 2016. Computer aided designing for landscape gardening. *PARIPEX Indian J. Research*, **5**(5): 386-388.
27. Kumar, A., **Singh, A.K.**, Pal, A.K. and Singh, B.K. 2016. Efficacy of *Aloe vera* gel, neem leaf extract and bio-control agent on incidence of anthracnose and stem end rot of mango. *Annals Pl. Soil Res.*, **18**(2): 133-137.

28. Kumar, A., **Singh, A.K.**, Pal, A.K. and Singh, B.K. 2016. Efficacy of biologically safe desapping chemicals on the incidence of sapburn and ripening behavior of mango cv. Langra. *Annals Pl. Soil Res.*, **18**(2): 141-145.
29. Singh, B.K., Pal, A.K., **Singh, A.K.** and Akhilendra. 2016. Effect of integrated nutrient management on vegetative growth and yield of strawberry. *Annals Plant Soil Res.*, **18**(1): 43-46.
30. Asmita and **Singh, A.K.** 2015. Effect of foliar application of zinc and copper on growth and post-harvest life of Liliun (Asiatic hybrid) cv. Albedo. *International J. Agri. Environ. Biotech.*, **8**(4): 977-980.
31. Sisodia, A., **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.
32. **Singh, A.K.**, Maurya, J.K., Pal, A.K., Singh, B.K. and Singh, S.V. 2015. Studies on genetic parameters and correlation in single whorled balsam (*Impatiens balsamina* L.). *Indian J. Agri. and Allied Sci.*, **1**(3): 21-26.
33. Maurya, J.K., Pal, A.K., Singh, B.K., Singh, S.V. and **Singh, A.K.** 2015. Evaluation of different type single whorled germplasm of balsam (*Impatiens balsamina* L.). *Indian J. Agri. and Allied Sci.*, **1**(3): 44-47.
34. **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.
35. **Singh, A.K.**, Asmita, Sisodia, A., 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.
36. Yadav, K.S., **Singh, A.K.** and Sisodia, A. 2015. Effect of growth promoting chemicals on growth, flowering and seed attributes in marigold. *Annals of Plant and Soil Research*, **17**(3): 253-256.
37. **Singh, A.K.**, Beer, Karma and Pal, A.K. 2015. Effect of vermicompost and biofertilizers on strawberry i: growth, flowering and yield. *Annals of Plant and Soil Research*, **17**(2): 196-199.
38. **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 Gainda. *Environment and Ecology*, **33**(4B): 1876-1879.
39. Beer, Karma and **Singh, A.K.** 2015. Effect of vermicompost and biofertilizers on strawberry: chlorophyll and nutrients concentration in leaves. *Annals of Plant and Soil Research*, **17**(2): 211-214.
40. **Singh, A.K.** and Sisodia, A. 2015. Effect of gamma irradiation on morphological changes, flowering and induced mutants in gladiolus. *Indian J. Hort.*, **72**(1): 84-87.
41. Sisodia, A. 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.
42. Hembrom, R. and **Singh, A.K.** 2015. Effect of iron and zinc on growth, flowering and bulb yield in liliun. *International J. Agri. Environ. & Biotech.*, **8**(1): 61-64.
43. Sisodia, A. and **Singh, A.K.** 2015. Studies on gamma ray induced mutants in gladiolus. *Indian J. Agril. Sci.*, **85** (1): 79-86.
44. **Singh, A.K.**, Hembrom, R., Singh, Jaymala, Sisodia, A. 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.
45. Hembrom, R., **Singh, A.K.**, Sisodia, A., 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.
46. Kumar, M.S., Pal, A.K. and Singh, A.K. 2014. Influence of weather parameters on success of fruit set by hand pollination in tomato. *Annals Agri. Bio Research*, **19**(4): 748-750.
47. Sisodia, A. 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.
48. Kumar, A., Sisodia, A. and **Singh, A.K.** 2014. Evaluation of tuberose cultivars for growth, flowering and post-harvest life. *Indian Perfumer*, **58**(1): 29-32.
49. Yadav, K.S., Sisodia, A. 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.
50. **Singh, A.K.**, Jauhari, S. and Sisodia, A. 2014. Genetic diversity analysis of snapdragon (*Antirrhinum majus*) through RAPD markers. *Indian J. Hort.*, **71**(1): 134-137.
51. Pal, A.K., Kumar, M.S., Sati, Kailash, **Singh, A.K.** and Kumar, Deepak. 2014. Correlation and path studies in tomato (*Solanum lycopersicum* L.). *Environment and Ecology*, **32**(1): 40-44.
52. **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.

53. **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.
54. **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.
55. **Singh, A.K.** and Kumar, Anuj. 2013. Response of chemical preservative on post-harvest life of gladiolus cv. Her Majesty. *International J. Agril. Sci.*, **9**(2): 567-570.
56. **Singh, A.K.**, Kumar, Anuj and Ghimire, N.R. 2013. Performance of Indian and exotic varieties of gladiolus under eastern Uttar Pradesh conditions. *The Asian J. Hort.*, **8**(1): 191-94.
57. **Singh, A.K.** and Kumar, Anuj. 2013. Studies of gamma irradiation on morphological characters in gladiolus. *The Asian J. Hort.*, **8**(1): 299-303.
58. **Singh, A.K.**, Kumar, Anuj and Ghimire, N.R. 2013. Studies of gladiolus cultivars for post harvest characters. *Environment and Ecology*, **31**(2): 418-421.
59. Kumari, R., Sisodia, A. and **Singh, A.K.** 2013. Effect of growth retarding chemicals on growth and flowering parameters in marigold (*Tagetes erecta*) cv. Pusa Narangi Gaiinda. *Environment and Ecology*, **31**(4): 1768-1770.
60. Neetu, **Singh, A.K.** and Kumar, R. 2013. Effect of different concentrations of GA₃ and varieties on growth and flowering of gladiolus. *Progressive Research* **8**(2): 263-265.
61. Neetu, **Singh, A.K.**, Sisodia, A. and Kumar, R. 2013. Effect of GA₃ on growth and flowering attributes in gladiolus cultivars. *Ann. Agric. Res.*, **34**(4): 315-319.
62. Solankey, S.S., **Singh, A.K.** and Singh, R.K. 2013. Genetic expression of heterosis for yield and quality traits during different growing seasons in okra (*Abelmoschus esculentus*). *Indian J. Agril. Sci.*, **83**(8): 815-819.
63. 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.
64. Kumar, S.M., Pal, A.K., **Singh, A.K.**, Sati, Kailash and Kumar, Deepak. 2013. Studies on genetic parameters to improve the genetic architecture of tomato (*Solanum lycopersicum* L.). *International J. Applied Biology & Pharmaceutical Technology*, **4**(4): 234-237.
65. Kumar, A., Kumar, J. and **Singh, A.K.** 2012. Studies on effect of biocide and sucrose on post-harvest life of gladiolus cv. White Prosperity. *Asian J. Hort.*, **7**(2): 234-236.
66. **Singh, A.K.**, Ghimire, N.B. and Kumar, Anuj. 2012. Evaluation of gladiolus cultivars for flowering characters under eastern U.P. condition. *The Horticultural Journal*, **25**(1&2): 34-37.
67. **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.
68. **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.
69. 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.
70. **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.
71. 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.
72. Sharma, P., **Singh, A.K.** and Singh, B.K. 2012. Influence of kinetin and single tuberose cultivars on growth, flowering, bulb production and post harvest life of tuberose. *Indian Perfumer*, **56**(1): 51-56.
73. Sharma, P. and **Singh, A.K.** 2012. Post harvest life of tuberose as influenced by GA₃ and varieties. *J. Plant Development Sciences*, **4**(1): 133-134.
74. Gupta, A. and **Singh, A.K.** 2011. Studies on genetic diversity of certain inbred genotypes of maize (*Zea mays* L.) at Varanasi. *Trends in Biosciences*, **4**(1): 63-65.
75. Solankey, S.S. and **Singh, A.K.** 2011. Manifestation of heterosis in relation to seasonal variation in okra [*Abelmoschus esculentus* (L.) Monech]. *Vegetable Science*, **38**(1): 107-110.
76. **Singh, A.K.**, Gupta, S.R. and Singh, A.K. 2010. Study on nutrient level of various potting media and its effect on vegetative and root characters in dieffenbachia. *J. Ornamental Horticulture*, **13**(2): 112-116.
77. **Singh, A.K.** and Singh, D. 2010. Genetic variability, heritability and genetic advance in marigold. *Indian J. Hort.*, **67**(1): 132-136.
78. **Singh, A.K.** and Singh, S.K. 2010. Response of organic and inorganic sources of nutrient in rose.

Progressive Horticulture, **42**(2): 205-207.

79. Gupta, A. and **Singh, A.K.** 2010. Studies on molecular diversity in maize inbreds using SSR markers. *Trends in Biosciences*, **3**(2): 106-109.
80. Solankey, S.S. and **Singh, A.K.** 2010. Studies on the combining ability in okra [*Abelmoschus esculentus* (L.) Monech]. *The Asian J. Hort.*, **5**: 49-53.
81. Solankey, S.S. and **Singh, A.K.** 2010. Correlation studies in okra [*Abelmoschus esculentus* (L.) Monech]. *The Asian J. Hort.*, **5**: 70-75.
82. **Singh, A.K.**, Gupta, S.R. and Singh, A.K. 2009. Influence of various potting media on vegetative and root characteristics in Wax begonia. *J. Ornamental Horticulture*, **12**(2): 111-115.
83. **Singh, A.K.** 2009. Influences of basal shoot number on growth, leaf biomass, nutrient status, flowering attributes and yield in rose. *Indian J. Hort.*, **66**(2): 229-232.
84. Solankey, S.S. and **Singh, A.K.** 2009. Path analysis in okra [*Abelmoschus esculentus* (L.) Monech]. *Asian Science*, **4**: 26-31.
85. Solankey, S.S., **Singh, A.K.** and Singh, A.P. 2009. Correlation studies in okra [*Abelmoschus esculentus* (L.) Monech]. *Progressive Horticulture*, **41**(1): 82-85.
86. Solankey, S.S. and **Singh, A.K.** 2009. Genetic variability, heritability and genetic advance in okra [*Abelmoschus esculentus* (L.) Monech]. *Asian Science*, **4**: 59-61.
87. Samant, D., Mishra, N.K., **Singh, A.K.** and Lal, R.L. 2008. Effect of micronutrient sprays on fruit yield and quality during storage in ber cv. Umran under ambient conditions. *Indian J. Hort.*, **65**(4): 399-404.
88. Samant, D., Mishra, N.K., **Singh, A.K.** and Lal, R.L. 2008. Effect of micronutrient on enhancing fruit yield and quality in ber (*Zizyphus mauritiana* L.) cv. Umran. *The Hort. Journal*, **21**(2): 99-102.
89. Singh, D., Kumar, S., **Singh, A.K.** and Kumar, P. 2008. Assessment of African marigold (*Tagetes erecta*) genotypes in Uttarakhand. *J. Ornamental Horticulture*, **11**(2): 112-117.
90. **Singh, A.K.** and Singh, N. 2007. Studies on genetic variability and heritability in balsam (*Impatiens balsamina*). *Journal of Ornamental Horticulture*, **10**(2): 128-130.
91. **Singh, A.K.** 2007. Response of integrated nutrient management on growth and flowering attributes in rose. *J. Ornamental Horticulture*, **10**(1): 58-60.
92. **Singh, A.K.**, Jauhari, Shiva and Singh, Deepti. 2006. Response of manures and bio-fertilizers on growth and flowering in rose. *J. Ornamental Horticulture*, **9**(4): 278-281.
93. **Singh, A.K.** 2006. Influence of various types of propagules on survival, growth and rooting in long pepper (*Piper longum*). *J. Med. Aromatic Pl. Sci.*, **28**(1): 15-17.
94. **Singh, A.K.** and Martolia, K. 2006. Morphological variation and evaluation of lupin (*Lupinus hartwegii* L.) germplasm. *J. Ornamental Horticulture*, **9**(3): 169-173.
95. **Singh, A.K.** 2006. Effect of farmyard manure, *Azotobacter* and nitrogen on leaf nutrient composition, growth, flowering and yield in rose. *Indian J. Hort.*, **63**(1): 62-65.
96. **Singh, A.K.** and Jauhari, S. 2006. Assessment of snapdragon (*Antirrhinum majus*) germplasm for various traits. *The Indian J. Agric. Sci.*, **76**(8): 399-454.
97. Singh, J.N., **Singh, A.K.**, Singh, B.P. and Singh, S.K. 2006. Studies on genetic variability, correlation and path analysis in gladiolus. *Progressive Hort.*, **38**(2): 262-265.
98. Singh, D. and **Singh, A.K.** 2006. Characterization of African marigold (*Tagetes erecta* Linn.) genotypes using morphological characters. *J. Ornamental Horticulture*, **9**(1): 40-42.
99. Jauhari, S. and **Singh, A.K.** 2006. Evaluation of inbred and F₁s for flowering and postharvest attributes in snapdragon (*Antirrhinum majus*). *J. Ornamental Horticulture*, **9**(2): 91-96.
100. Bora, N., Lal, R.L. and **Singh, A.K.** 2006. Effect of IBA and planting containers on shoot and root characters and survival of litchi air-layers. *Indian J. Hort.*, **63**(2): 155-158.
101. **Singh, A.K.** 2005. Effect of weed management practices on weed dynamics, leaf nutrient status and flower yield in rose. *Indian J. Hort.*, **62**(4): 375-377.
102. **Singh, A.K.** 2005. Effect of graded doses of nitrogen in split form on growth, flowering and yield parameters in rose. *J. Ornamental Horticulture*, **8**(2): 140-142.
103. **Singh, A.K.** 2005. Growth and seed yield in California poppy (*Eschsholtzia californica* Chamisso) as influenced by plant growth regulators. *J. Ornamental Horticulture*, **8**(2): 159-160.
104. **Singh, A.K.** and Jauhari, Shiva. 2005. Growth and flowering in rose as influenced by nitrogen, *Azotobacter* and farmyard manure. *Progressive Hort.*, **37**(2): 444-447.
105. **Singh, A.K.** and Satish Chand. 2005. Effect of pulsing on changes in pH, conductivity, tannins and

- anthocyanin content of cut rose cv. Doris Tystemann. *Progressive Hort.*, **37**(2): 389-394.
106. **Singh, A.K.** 2005. Response of rose plant growth and flowering to nitrogen, Azotobacter and farm-yard manure. *J. Ornamental Horticulture*, **8**(4): 296-298.
107. **Singh, A.K.** and Karki, K. 2005. Effect of herbicides and mulching on growth, flowering and yield in rose. *J. Ornamental Horticulture*, **8**(1): 49-52.
108. **Singh, A.K.** 2005. Evaluation of snapdragon (*Antirrhinum majus* L.) germplasm. *Progressive Hort.*, **37**(1): 96-99.
109. **Singh, A.K.**, Jauhari, Shiva and Gautam, D.R. 2005. Heterosis breeding in floricultural crops: A Review. *Progressive Hort.*, **37**(1): 8-15.
110. **Singh, A.K.** and Singh, Rajaneesh. 2005. Influence of growth regulating substances on rooting of cuttings of poinsettia cv. Flaming Sphere. *Progressive Hort.*, **37**(1): 85-88.
111. Sen, Dhiman, **Singh, A.K.** and Adak, Tarun. 2005. Survey strategy for development of horticultural crops in Rudraprayag district of Uttaranchal. *Progressive Hort.*, **37**(1): 120-123.
112. Singh, D. and **Singh, A.K.** 2005. Evaluation of *Tagetes patula* Linn. and *Tagetes minuta* Linn. under sub-mountainous tarai conditions. *J. Ornamental Horticulture*, **8**(2): 134-136.
113. Singh, D. and **Singh, A.K.** 2005. Correlation and path coefficient analysis in marigold (*Tagetes* spp.). *Progressive Hort.*, **37**(2): 385-388.
114. Jauhari, S. and **Singh, A.K.** 2005. Comparative performance of different germplasm of snapdragon. *J. Ornamental Horticulture*, **8**(3): 216-218.
115. Chauhan, S., Singh, C.N. and **Singh, A.K.** 2005. Effect of vermicompost and pinching on growth and flowering in marigold cv. Pusa Narangi Gainda. *Progressive Hort.*, **37**(2): 419-422.
116. **Singh, A.K.** 2004. Influence of plant bio-regulators on growth and seed yield in French marigold (*Tagetes patula* Linn.). *J. Ornamental Horticulture*, **7**(2): 192-195.
117. **Singh, A.K.** 2004. Growth and seed yield of African marigold as influenced by growth retarding chemicals. *South Indian Horticulture*, **52**: 377-380.
118. **Singh, A.K.** 2004. Effect of growth promoting chemicals on growth and flower production in California poppy. *South Indian Horticulture*, **52**: 383-384.
119. **Singh, A.K.** 2004. Improving zinnia seed germination and seedlings growth by pre-sowing treatment. *South Indian Horticulture*, **52**: 386-388.
120. **Singh, A.K.** and Sharma, R. 2004. Influence of manual weeding, organic mulching and herbicides on weed density, nutrients removal and flower yield in rose. *The Horticultural Journal*, **17**(2): 169-173.
121. **Singh, A.K.** and Sharma, Gaurav. 2004. Effect of growth regulating chemicals on growth and seed attributes in *Calendula officinalis*. *Progressive Hort.*, **36**(2): 266-268.
122. **Singh, A.K.**, Mohanty, B.K. and Kumar, Mahesh. 2004. Growth, flowering quality and yield in rose as influenced by plant densities. *Progressive Hort.*, **36**(2): 306-308.
123. **Singh, A.K.** 2004. Response of pot marigold (*Calendula officinalis*) to plant growth regulators. *Indian J. Agricultural Sciences*, **74**(3): 130-132.
124. **Singh, A.K.** 2004. Studies on effect of growth retardants on growth and flowering in African marigold. *The Hort. J.*, **17**(1): 79-82.
125. **Singh, A.K.** 2004. Influence of various pulsing chemicals on anthocyanin content, tannin, pH and conductivity of rose cv. Happiness. *Indian J. Hort.*, **61**(1): 58-61.
126. **Singh, A.K.** 2004. Plant growth and flower production in rose as influenced by CCC, TIBA and SADH spraying. *Progressive Horticulture*, **36**(1): 40-43.
127. **Singh, A.K.** and Singh, C. 2004. Effect of spacing and zinc on growth and flowering in gladiolus cv. Sylvia. *Progressive Horticulture*, **36**(1): 94-98.
128. **Singh, A.K.**, Karki, K. and Jauhari, S. 2004. Response of nitrogen on growth and flowering in rose. *J. Ornamental Horticulture*, **7**(1): 90-94.
129. Singh, D., **Singh, A.K.**, Tiwari, J.P. and Singh, Y.V. 2004. Growth and flowering characteristics of *Tagetes patula* and *Tagetes minuta* as influenced by germplasm. *Progressive Hort.*, **36**(2): 221-224.
130. Atsede Solomon and **Singh, A.K.** 2004. Influence of various levels and split doses of nitrogen on flowering attributes in rose. *Progressive Hort.*, **36**(2): 286-289.
131. **Singh, A.K.** and Singh, Y.P. 2003. Leaf nutrient status, growth and flower yield in rose as influenced by organic and inorganic sources. *J. Ornamental Horticulture*, **6**(3): 229-232.
132. **Singh, A.K.** 2003. Effect of plant bioregulators on growth, biomass and flowering in French marigold

- (*Tagetes patula*). *Indian Perfumer*, **46**(3): 279-282.
133. **Singh, A.K.** 2003. Flowering and yield of rose as influenced by plant densities and seasons. *Pantnagar Journal of Research*, **1**: 22-24.
 134. **Singh, A.K.** 2003. Effect of growth regulators on growth and flowering in calendula (*Calendula officinalis*). *Indian Perfumer*, **46**(3): 275-278.
 135. **Singh, A.K.** 2003. Effect of SADH and PP333 on growth and flowering attributes in *Calendula officinalis*. *J. Med. Aromatic Plants*, **25**(2): 424-426.
 136. **Singh, A.K.**, Mittal, A.K., Singh, R. and Singh, Y.P. 2003. Effect of organic and inorganic sources of nutrients on flowering attributes in rose. *Progressive Hort.*, **35**(1): 48-51.
 137. **Singh, A.K.** and Bijimol, G. 2003. Effect of spacing and nitrogen on gladiolus. *J. Ornamental Horticulture*, **6**(1): 73-75.
 138. **Singh, A.K.** and Karki, K. 2003. Effect of grading and GA₃ on germination and seedling growth attributes in balsam. *Progressive Hort.*, **35**(2): 158-160.
 139. **Singh, A.K.**, Singh, R., Mittal, A.K., Singh, Y.P. and Jauhari, S. 2003. Effect of plant growth regulators on survival, rooting and growth characters in long pepper (*Piper longum* L.). *Progressive Horticulture*, **35**(2): 208-211.
 140. **Singh, A.K.** and Bist, L.D. 2003. Effect of paclobutrazol on growth and flowering in rose cv. Gruss-an-Teplitz. *Indian J. Hort.*, **60**(2): 188-191.
 141. **Singh, A.K.** and Karki, K. 2002. Influence of basal shoot number on growth and flower production in rose cv. Gruss-an-Teplitz. *Progressive Horticulture*, **34**(1): 80-82.
 142. **Singh, A.K.** and Singh, V.B. 2002. Influence of wood maturity and auxins on the regeneration of Bougainvillea cuttings. *Progressive Horticulture*, **34**(2): 196-199.
 143. **Singh, A.K.** 2002. Growth and flowering in rose as influenced by spraying and drenching application of paclobutrazol. *South Indian Horticulture*, **50**: 124-127.
 144. **Singh, A.K.** and Tiwari, A.K. 2002. Effect of pulsing with various chemicals on post harvest life of rose cv. Doris Tystermann. *South Indian Horticulture*, **50**(1-3): 140-144.
 145. **Singh, A.K.** 2002. Weed biomass, rose plant growth and flowering as influenced by weed control measures. *Indian Perfumer*, **46**(3): 235-239.
 146. **Singh, A.K.** and Bijimol, G. 2001. Influence of growth regulating chemicals on growth, flowering and bulb production in tuberose (*Polianthes tuberosa* L.). *Indian Perfumer*, **45**(1): 31-34.
 147. **Singh, A.K.** 2001. Effect of root promoting chemicals on rooting of *Euphorbia pulcherrima* Willd. cv. Eckes Point stem cutting. *Progressive Horticulture*, **33**(1): 52-56.
 148. **Singh, A.K.** 2001. Effect of auxins on rooting and survival of jasmine (*Jasminum sambac* Ait.) stem cutting. *Progressive Horticulture*, **33**(1): 174-177.
 149. Bist, L.D., **Singh, A.K.** and Kewalanand. 2001. Effect of sowing date on growth and yield of blond psyllium (*Plantago ovata*). *Indian J. Agricultural Sciences*, **71**(11): 707-708.
 150. **Singh, A.K.**, Singh, N.P. and Singh, V.B. 2001. Growth, flowering and corm production in gladiolus cv. Oscar as influenced by nitrogen and spacing in acidic soil of Nagaland. *Indian Journal Hill Farmg.*, **14**(1): 128-131.
 151. **Singh, A.K.** 2001. Effect of wood type and root promoting chemicals on rooting of cuttings in *Bougainvillea peruviana* cv. Thimma. *Advances in Horticulture and Forestry*, **8**: 179-184.
 152. Bist, L.D., **Singh, A.K.** and Kewalanand. 2001. Effect of nitrogen doses on growth and yield of blond psyllium (*Plantago ovata*). *Indian Journal of Agricultural Sciences*, **71**(11): 709-710.
 153. Bijimol, G. and **Singh, A.K.** 2001. Effect of spacing and nitrogen on flowering, flower quality and post harvest life of gladiolus. *J. Applied Horticulture*, **3**(1): 48-50.
 154. Bijimol, G. and **Singh, A.K.** 2001. Effect of spacing and nitrogen on gladiolus under Nagaland condition. *J. Ornamental Horticulture*, **4**(1): 36-39.
 155. **Singh, A.K.** 2000. Effect of chemical weed control and cultural manipulation on growth and flower production in rose. *Progressive Horticulture*, **32**(2): 195-163.
 156. **Singh, A.K.** and Bijimol, G. 2000. Response of gladiolus cv. Pink Friendship to spacing and nitrogen levels under low hills of Nagaland. *South Indian Horticulture*, **48**: 72-77.
 157. **Singh, A.K.** and Tiwari, A.K. 2000. Postharvest life of rose cv. Happiness as affect by pulsing with various chemicals. *Progressive Horticulture*, **32**(1): 86-89.
 158. **Singh, A.K.** 2000. Effect of certain chemicals on postharvest life of cut gladiolus. *Progressive Horticulture*, **32**(1): 66-69.

159. **Singh, A.K.** and Singh, N.P. 2000. Effect of auxins on regeneration of *Clerodendron thomsonae* Balfour by stem cutting. *Indian J. Hill Farmg.*, **13**(1&2): 58-61.
160. **Singh, A.K.** and Bijimol, G. 2000. Effect of root promoting chemicals on hardwood cuttings of *Lagerstroemia indica* Linn. *South Indian Horticulture*, **48**: 154-156.
161. **Singh, A.K.** and Singh, C. 2000. Effect of spacing and zinc on production of corms and cormlets in gladiolus cv. Sylvia. *The Horticultural Journal*, **13**(2): 61-64.
162. **Singh, A.K.** and Singh, C. 2000. Effect of spacing and zinc on growth and corm production in gladiolus (*Gladiolus grandiflorus*) raised from cormlets. *The Horticultural Journal*, **13**(1): 87-92.
163. Bist, L.D., **Singh, A.K.** and Kewalanand 2000. Growth and yield of isabgol (*Plantago ovata* Forsk.) cv. Gujarat Isabgol-2 in response to nitrogen levels. *Progressive Horticulture*, **32**(2): 202-203.
164. **Singh, A.K.** 1999. Response of tuberose growth, flowering and bulb production to plant bioregulators spraying. *Progressive Horticulture*, **31**(3&4): 181-83.
165. **Singh, A.K.** and Bijimol, G. 1999. Growth, corm and cormel production in gladiolus cv. Pink Friendship as influenced by spacing and nitrogen levels under low hills of Nagaland. *Progressive Horticulture*, **31**(1&2): 51-54.
166. **Singh, A.K.**, Bijimol, G. and Singh, V.B. 1998. Performance of gladiolus in the low hills of Nagaland during summer. *Indian J. Hill Farmg.*, **11**: 51-54.

A. (I) International Journal Papers

167. 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.
168. Kumar, M. and **Singh, A.K.** 2005. Standardization of leaf sampling technique in Bael. *Communications in Soil Science and Plant Analysis*, **36**(15&16): 2153-2164.

A (II) Proceedings paper

1. Kanth, N., **Singh, A.K.**, Pal, A.K., Tiwari, A. and Hada, T.S. 2016. Horticultural crop for sustianability. *Procce: Impact of organic farming in sustainable rural development through agriculture* (ISBN: 97893-84215-54-5). 8-9 Feb., RGSC, BHU, Varanasi. p. 392-396.
2. Yadav, K.V., Singh, B.K., Pal, A.K. and **Singh, A.K.** 2016. Horticultural biodiversity in India. *Procce: Impact of organic farming in sustainable rural development through agriculture* (ISBN: 97893-84215-54-5). 8-9 Feb., RGSC, BHU, Varanasi. p. 60-72.
3. **Singh, A.K.**, Hembrom, R. and Sisodia, A. 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.
4. **Singh, A.K.**, Asmita and Sisodia, A. 2015. Prospect of floriculture industry in next millennium. *Procce: Sustainable Horticulture vis-à-vis Changing Environment*, 26-28 Feb., SASRD, Nagaland University, Medziphema, Nagaland. p. 77-79.
5. **Singh, A.K.**, Jauhari, Shiva and Singh, Deepti. 2006. Influence of high density planting on growth and flower attributes in rose. *Procce: 24th All India Rose Convention and Show*, 14-16 January, Bhubaneswar, pp. 47-49.
6. **Singh, A.K.** and Mittal, A.K. 2003. Uttaranchal mein pipali ke podhon ke kayik pravardhan aivam utpadan ki sambhavnayein. *Procce: Workshop on Uttaranchal mein aushadhiya aivam sagandhiya paudhon ke pravardhan aivam utpadan ki sambhavnayein*. Haldwani, Uttarakhand, pp. 76-79.
7. Karki, K. and **Singh, A.K.** 2003. Effect of growth regulating chemicals on growth and flowering in calendula. *Procce: National Symposium on Recent Advances in Indian Floriculture*, Indian Society of Ornamental Horticulture, Trichur, Kerala, pp. 42-45.
8. **Singh, A.K.** and Bijimol, G. 2000. Effect of nitrogen and spacing on growth, flowering and corm production in gladiolus cv. Oscar in acidic soil of Nagaland. *Procce: National Conference on Gladiolus*, NBRI, Lucknow, pp. 100-103.
9. Singh, N.P. and **Singh, A.K.** 2000. Agroforestry system: An alternative to shifting cultivation Nagaland experience. *Procce: International Workshop on Agroforestry and Forest Products*. Aizawal, pp. 25-30.
10. Singh, N.P., **Singh, A.K.** and Singh, V.B. 1998. Sustainable agriculture development through organic farming in north-east India. *Procce: National Workshop on Perspective for Planning and Development in North East India*. GBPIHED, Itanagar, pp. 69-72.

11. Singh, V.B., **Singh, A.K.**, Kar, P.L. and Singh, N.P. 1998. Problems and prospect of orchids in Nagaland. *Procce: National Workshop on Perspective for Planning and Development in North East India*. GBPIHED, Itanagar, pp. 120-127.

B. Books

1. **Singh, A.K.** and Sisodia, Anjana. 2017. Textbook of Floriculture and Landscaping, New India Publishing Agency, New Delhi (ISBN: 978-93-86546-00-5). pp. 432.
2. **Singh, A.K.** 2014. Breeding and Biotechnology of Flowers, Vol. I: Commercial Flowers, New India Publishing Agency, New Delhi (ISBN: 978-93-83305-35-3). pp. 752.
3. **Singh, A.K.** 2014. Breeding and Biotechnology of Flowers, Vol. II: Garden Flowers, New India Publishing Agency, New Delhi (ISBN: 978-93-83305-40-7). pp. 697.
4. Rao, R.K, Sharma, P.K. and **Singh, A.K.** 2014. Novel Innovations and Strategies for Boosting Production and Productivity in Agriculture. Mahima Publications, Varanasi (ISBN: 978-81-92693-54-5). pp. 433.
5. **Singh, A.K.** 2008. Vyavsayic Pushpotpadan. Directorate of Publication, G.B. Pant University of Agriculture and Technology, Pantnagar (ISBN: 81-86415-76-9). pp. 379.
6. **Singh, A.K.** 2006. Flower Crops: Cultivation and Management, New India Publishing Agency, New Delhi (ISBN: 81-89422-35-9). pp. 463.
7. Lal, H., Singh, V.P., Singh, S.S. and **Singh, A.K.** 2005. Nut Fruits in Uttaranchal. Published by G.B. Pant University of Agriculture and Technology, Horticultural Research and Extension Centre, Chaubattia, Almora. pp.142.
8. Singh, H.P., **Singh, A.K.**, Nainwal, N.C., Lal, H. and Singh, S.S. 2004. Parvatiya Bagvani, Published by Hill Horticulture Development Society, Uttaranchal. pp. 396.

C. Chapters in Book

1. Jain, V.K., **Singh, A.K.**, Tiwari, A., Maurya, A.K., Pal, S., Kanth, N. and Hada, T.S. 2017. Nutraceutical Food Processing Technology: Innovative Scientific Research. *In: R.P. Shukla, R.S. Mishra, A.D. Tripathi, A.K. Yadav, Manju Tiwari, R.R. Mishra (eds.)*. Active Packaging of Horticultural Produce. Bharti Publication, Delhi. pp. 253-259.
2. Jain, V.K., **Singh, A.K.**, Bisen, P., Maurya, A.K., Tiwari, A., Pal, S. and Varan, Risha. 2017. Hidden harvest under changing climate. *In: Ratnesh K. Rao (eds.)*. Climate Change and its Implications on Crop Production and Food Security, Publisher: Mahima Research Foundation and Social Welfare, Karaudi, BHU, Varanasi. pp. 125-129.
3. Tiwari, A., **Singh, A.K.**, Jain, V.K., Kanth, N., Hada, T.S. and Pal, S. 2017. New perspective in agriculture and human health. *In: R.P. Shukla, R.S. Mishra, A.D. Tripathi, A.K. Yadav, Manju Tiwari, R.R. Mishra (eds.)*. Active Packaging of Horticultural Produce. Bharti Publication, Delhi. pp. 14-20.
4. Tiwari, A., **Singh, A.K.**, Pal, A.K., Kanth, N. and Hada, T.S. 2016. Innovative priorities in ornamental horticulture. *In: Kalyan Ghadei (eds.)*. Agricultural Extension: Techniques and Applications. Biotech Books, New Delhi (ISBN: 978-81-7622-380-5). pp. 365-369.
5. Kanth, N., Hada, T.S., **Singh, A.K.**, Pal, A.K. and Tiwari, A. 2016. Innovative priorities in ornamental horticulture. *In: Kalyan Ghadei (eds.)*. Agricultural Extension: Techniques and Applications. Biotech Books, New Delhi (ISBN: 978-81-7622-380-5). pp. 357-363.
6. Hada, T.S., **Singh, A.K.**, Pal, A.K., Kanth, N. and Tiwari, A. 2016. Horticulture research priorities for future sustainability. *In: Kalyan Ghadei (ed.)*. Agricultural Extension: Techniques and Applications. Biotech Books, New Delhi (ISBN: 978-81-7622-380-5). pp. 353-356.
7. **Singh, A.K.**, Hembrom, R. and Pal, A.K. 2016. Use of microbes: A sustainable approach in management of horticultural crops. *In: J.S. Singh and D.P. Singh (eds.)*. Microbes and Environmental Management. Studium Press (India) Pvt. Ltd., New Delhi (ISBN: 978-93-80012-83-4). pp. 45-77.
8. **Singh, A.K.** and Sisodia, A. 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 & Fracis Group), Waretown, USA (ISBN 978-1-77188-031-2). pp. 219-230.
9. Kanth, N., Hada, T.S., Symal, M.M. and **Singh, A.K.** 2015. Prospect of organic horticulture. *In: S.R. Singh (ed.)*. Frontline Communication (Agricultural Sciences). Poddar Publication, Varanasi (ISBN: 978-93-84215-17-0). pp. 8-13.

10. Barnawal, A.K., Pal, A.K., Anand, A. Pal, S. and **Singh, A.K.** 2015. Economical potential of medicinal plants of Northern India. *In: S.R. Singh (ed.). Frontline Communication (Agricultural Sciences)*. Poddar Publication, Varanasi (ISBN: 978-93-84215-17-0). pp. 33-39.
11. Neetu, **Singh, A.K.** and Kumar, R. 2015. Effect of kinetin on growth and flowering attributes in gladiolus cultivars. *In: S.R. Singh (ed.). Frontline Communication (Agricultural Sciences)*. Poddar Publication, Varanasi (ISBN: 978-93-84215-17-0). pp. 136-142.
12. 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.
13. Singh, B.K., Kumar, P., Pal, A.K., Verma, A., Hembrom, R., Moharana, D.P. and **Singh, A.K.** 2014. Dehydration and development of pulped and beverage from mango. *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. 23-30.
14. **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.
15. 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.
16. Reddy, B.R., **Singh, A.K.**, Sisodia, Vandana, Krishna, VNPS, Thanuja Sivaram, G., Singh, B.K. and Barnwal, A.K. 2014. Mitigation of climate change in horticulture. *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. 229-235.
17. **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.
18. **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.
19. Ray, P., **Singh, A.K.**, Biswal, D., Reddy, B.R., Asmita and Pal, S. 2014. Use of mycorrhiza in horticulture. *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. 343-348.
20. **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.
21. **Singh, A.K.** and Sisodia, A. 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.
22. **Singh, A.K.**, Singh, J., Sisodia, A., 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.
23. Sisodia, A., **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.
24. Sisodia, A., 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.

25. Singh, J., Sisodia, A., 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.
26. **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.
27. **Singh, A.K.** and Joshi, Mamta. 2012. Transgenic technology: A tool for sustainable improvement of fruit crops. *In: Swain, S.C. and Patro, L. (eds.). Sustainable Horticulture: Developments and Opportunities.* Manglam Pub. & Distributors, Delhi, pp. 353-369.
28. **Singh, A.K.** and Jauhari, Shiva. 2005. Pest and disease management in bulbous flowering crops. *In: Crop Protection Management Strategies.* Pub. Daya Publishing House, Daryaganj, New Delhi. pp. 288-307.
29. **Singh, A.K.** and Pant, K.P. 2004. Prospects of rose-scented geranium in Uttaranchal. *In: H.P. Singh, A.K. Singh, N.C. Nainwal, H. Lal and S.S. Singh (eds.). Parvatiya Bagwani.* Hill Horticulture Development Society, Uttaranchal, pp. 382-396.
30. **Singh, A.K.** and Singh, K.P. 2003. Postharvest management of bulbous cut flowers. *In: P.K. Rajeevan, K.P. Singh, P.K. Valsalakumari and C.K. Geetha (eds.). Bulbous Ornamentals.* Indian Society of Ornamental Horticulture, New Delhi, pp. 219-235.
31. **Singh, A.K.** 2002. Flowering in rose as influenced by plant densities and seasons. *In: R.L. Misra and Sanyat Mishra (eds.). Floriculture Research trends in India.* Indian Society of Ornamental Horticulture, New Delhi, pp. 62-65.
32. **Singh, A.K.** 2002. Response of organic sources of nutrients as substitute to inorganic sources in rose. *In: R.L. Misra and Sanyat Mishra (eds.). Floriculture Research Trends in India.* Indian Society of Ornamental Horticulture, New Delhi, pp. 216-218.

D. Semi Scientific/popular articles

1. **Singh, A.K.**, Sisodia, A. and Padhi, M. 2017. Pushpa Udayog Me Liatris Ka Mahatva. *Vindhya Krishi*, **11(3)**: 18-26.
2. Sisodia, A., Padhi, M. and **Singh, A.K.** 2017. Zinnia Ki Unnat Jatiya Avam Vaigyanik Kheti. *Vindhya Krishi*, **11(3)**: 27-38.
3. Tiwari, A., **Singh, A.K.**, Pal, S. and Jain, V.K. 2017. Freesia: Sugandhit Ghankandiya Pushp. *Internatinal Journal of Multidisciplinary Education and Research*, **2(3)**: 67-68.
4. Tiwari, A., **Singh, A.K.**, Pal, S., Kanth, N. and Jain, V.K. 2016. Sarp Gandha Rakhe Dil Aur Dimal Ka Khayal. www.marumegh.com, online, *Marumegh* (ISSN: 2456-2904), **2(3)**: 36-39.
5. Sharma, Swati, Kumar, V. and **Singh, A.K.** 2016. Swasth aur sehat se bhari litchi. *Krishi World*, **10(4)**: 22-24.
6. Thanuja, G.S., Krishna, V.N.P.S., Mounika, Y., **Singh, A.K.** and Reddy, P.S.S. 2016. Exploring the under exploited spice-Mango Ginger, *Indian Horticulture*, **61(3)**: 12-14.
7. Hada, T.S., Kanth, N., **Singh, A.K.**, Tiwari, A. and Pal, S. 2016. Phalo Ka Phatna Evam Niyantaran. *Vindhya Krishi*, **10(2)**: 73-75.
8. Hada, T.S., Kanth, N., **Singh, A.K.** and Tiwari, A. 2016. Phalo Ka Phatna Evam Niyantaran. *Vindhya Krishi*, **10(2)**: 70-72.
9. Tiwari, Anupam, **Singh, A.K.**, Pal, Sumit, Kanth, N. and Hada, T.S. 2016. Gerbera Ki Unnat Kheti. *Vindhya Krishi*, **10(2)**: 46-50.
10. Yadav, K.S., Singh, B.K., Verma, A., Pal, A.K. and **Singh, A.K.** 2016. Harit Grih Ya Polyhouse Me Phoolo Ki Kheti. *Vindhya Krishi*, **10(2)**: 120-126.
11. Kanth, N., Hada, TS, **Singh, A.K.** 2015. Germplasm conservation of horticultural crops. *Popular Kheti*, **3(3)**: 279-282.
12. **Singh, A.K.**, Sisodia, A., 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.
13. Krishna, V.N.P.S., Shivaram, G.T., **Singh, A.K.**, Sisodia, A., Anand, A., Pal, S. and Dakho, J. 2015. Chameli Ki Vaigyanik Vidhi Se Kheti Evam Shashyottar Prabandh. *Vindhya Krishi*, **9(2)**: 30-42.

14. Sisodia, A., Shivaram, G.T., Krishna, V.N.P.S., Asmita, Barnawal, A.K., Moharana, D.P. and **Singh, A.K.** 2015. Bird of Paradise (Strelitzia) Ke Pushpotpadan Ki Sambhawanaye Evam Unnat Kheti. *Vindhya Krishi*, **9(2)**: 20-29.
15. Sisodia, Anjana, **Singh, A.K.**, Sisodia, V., Singh, Smita and Shukla, U.N. 2014. Refreshing fruit- Litchi. *Kisan World*, **41(8)**: 43-48.
16. **Singh, A.K.** and Sisodia, Anjana. 2014. Gaiinda Ki Vyavasayik Vidhi Se Kheti. *Vindhya Krishi*, **8(2)**: 55-62.
17. **Singh, A.K.**, Sisodia, Anjana, Singh, Jaymala, Hembrom, Raimani, Asmita and Hemlata. 2014. Gladiolus Ki Unnat Jatiyan Evam Vaygyanik Kheti. *Souvenir: Mandaliya Shakbhagi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 37-44.
18. **Singh, A.K.**, Sisodia, Anjana, Singh, Jaymala, Pandey, Amit and Reddy, B.R. 2014. Gerbera Ki Unnat Jaatiyan Evam Vaygyanik Kheti. *Souvenir: Mandaliya Shakbhagi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 1-8.
19. Sisodia, Anjana, **A.K. Singh** and Jaymala Singh. 2014. Vyavasayik Pushp Utpadan Mein Rajanigandha ka Mahatav. *Vindhya Krishi*, **8(2)**: 1-7.
20. Pal, A.K. and **Singh, A.K.** 2014. Haldi ki Vyavasayik Kheti. *Souvenir: Mandaliya Shakbhagi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 29-36.
21. **Singh, A.K.**, Kumar, Anuj and Sisodia, Anjana. 2013. Pushpa Utpadan Paripeshya Evam Sanbhavanaye. *Pragati*, BHU, **1**: 75-80. ISSN: 2321-2934.
22. **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.
23. Sisodia, Anjana, Singh, Jaymala, Pal, A.K. and **Singh, A.K.** 2013. Haritgrah mein Gulab ki Gunwattayukta Kheti. *Vindhya Krishi*, **7(3)**: 22-24.
24. **Singh, A.K.** 2013. Udayan Vigyan Vibhag Ka Udhyanik Kshetra Mein Yogadan. *Pragati*, BHU, **1**: 73-74. ISSN: 2321-2934.
25. **Singh, A.K.**, Sisodia, Anjana and Singh, Jaymala. 2013. Rajnigandha Kee Vyavasayik Kheti. *Souvenir: Mandaliya Shakbhagi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 5-12.
26. 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.
27. **Singh, A.K.**, Kumar, Anuj, Sisodia, Anjana and Reddy, B.R. 2012. Pushp Udyog Mein Gerbera Ka Mahatav. *Vindhya Krishi*, **7(1)**: 52-54.
28. **Singh, A.K.**, Sisodia, Anjana, Kumar, Anuj and Singh, Jaymala. 2012. Adhik Aay Ke Liye Gladiolus Kee Kheti, *Vindhya Krishi*, **7(1)**: 55-58.
29. **Singh, A.K.** 2012. Gerbera evam gulab ke vyavsaik kheti. *Souvenir. Mandaliya Shakbhagi, Phal Evam Pushpa Pradarshni*, Govt. Garden, Company Bagh, Varanasi, pp. 14-22.
30. **Singh, A.K.** 2009. Greenhouse technology for rose production. *Indian Horticulture*, **54(1)**:10-14.
31. **Singh, A.K.** 2008. Uttarakhand Mai Pushpa Utpadan Kee Sambhavanayen. *Souvenir: Badalate Parivesh Mai Vagvani Vikas Ke Naye Aayam. GBPUA&T, Pantnagar & KVK, Dhakrani*, pp. 90-108.
32. Singh, Deepti and **Singh, A.K.** 2007. Plant Based Aromatherapy: Modern approaches Towards Healing Ailments. *Indian Farmers Digest*, **40(5)**: 10-13.
33. Singh, Deepti, Kumar, Santosh, Misra, K.K. and **Singh, A.K.** 2007. Thatch management in turf. *Indian Farmers Digest*, **40(5)**: 43-44.
34. Singh, Deepti, Santosh Kumar and **Singh, A.K.** 2007. Cultural practices in turf grass production. *Indian Farmers Digest*, **40(5)**: 18-20.
35. **Singh, A.K.** and Singh, Deepti. 2007. Rock Gardening: a new approach towards beautification. *Indian Farmers Digest*, **40(1)**: 42-43.
36. Singh, Deepti, Kumar, Santosh and **Singh, A.K.** 2007. Turf ghas dwara gurvattaukt galicho ka utpadan. *Kisan Bharti*, **38(2)**: 11-12.
37. **Singh, A.K.** and Karki, K. 2006. Exploring lutein from marigold flowers. *Indian Horticulture*, **51(5)**:20-21.
38. **Singh, A.K.**, Singh, D. and Jauhari, S. 2006. Importance and growing techniques of climber. *Indian Farmers' Digest*, **39(1)**:8-11.
39. Singh, D., Jauhari, S. and **Singh, A.K.** 2006. Canna for beautification of surrounding. *Indian Farmers' Digest*, **39(1)**:12-15.
40. **Singh, A.K.**, Jyoti Kumari, Singh, D. and Jauhari, S. 2006. Production techniques of important cacti. *Indian Farmers' Digest*, **39(1)**:21-22.

41. **Singh, A.K.**, Singh D. and Jauhari, S. 2005. Pushp udyog mein gainda ka mahattva. *Aajeevika*, Sept. issue, 7-11.
42. **Singh, A.K.**, Jauhari, S. and Singh, D. 2005. Adhik aay ke liye carnation ki kheti. *Aajeevika*, Sept. issue, 11-16.
43. Jauhari, Shiva and **Singh, A.K.** 2005. Statice: A promising crop for cut and dried flower industry. *Floriculture Today*, **9**(12): 30-32.
44. Misra, R.L., **Singh, A.K.** and Karki, K. 2005. Bahar jaiv praudyogiki kee: Phool khile hein gulshan gulshan. *Kheti*, **57**(9):13-17.
45. Tiwari, J.P., **Singh, A.K.** and Karki, K. 2004. Strategies for sustainable horticulture. *Indian Farmers' Digest*, **37**(11): 5-7.
46. **Singh, A.K.** and Karki, K. 2004. Canopy management of bonsai by growth retarding chemicals. *Indian Farmers' Digest*, **37**(11): 13-14.
47. **Singh, A.K.** and Karki, K. 2004. Marigold flower meal: a potential source of emulsifying gum. *Floriculture Today*, **11**(11): 19-21.
48. **Singh, A.K.** and Karki, K. 2004. Lily (Lilium) ke pushpotpadan kee sambhavanayein evam takneek. *Krishi Jyoti*, **2**: 24-27.
49. **Singh, A.K.** and Ajit Kumar. 2004. Gladiolus ki vyavasayik kheti. *Krishi Jyoti*, **2**:1-4.
50. Singh, Deepti and **Singh, A.K.**, 2004. Zinnia kee safal kheti. *Kisan Bharti*, **35**: 32-33.
51. Jauhari, Shiva and **Singh, A.K.** 2004. Mausami phoolon mein gaillardia ka mahatva evam utpadan (Hindi). *Kisan Bharti*, **35**(8): 36-38.
52. Pant, K.P. and **Singh, A.K.** 2004. Organic floriculture, *Floriculture Today*, **11**(2): 9-16.
53. Kumar, M. and **Singh, A.K.** 2003. Papeete kee unnat kheti (Hindi). *Kisan Bharti*, **34**(3): 9-10.
54. **Singh, A.K.** and Ram Chandra, 2003. Plants in hanging basket and management, *Swarna Sedyam*, **6**(12): 44-45.
55. **Singh, A.K.** and Batala, A. 2003. Pot culture management, *Swarna Sedyam*, **6**(12): 46-49.
56. Karki, K. and **Singh, A.K.**, 2003. Present scenario of synthetic seed production of flowers, *Indian Farmers Digest*, **36**(1): 13-16, 21.
57. **Singh, A.K.**, 2003. Constraints and production strategies of orchids in Nagaland. *Journal of the North Eastern Council*, **23**: 1-8.
58. Karki, K. and **Singh, A.K.**, 2003. Pushpon ka katai ke baad prabandhan evam vipanan (Hindi), *Kisan Bharati*, **35**(1): 21-23.
59. **Singh, A.K.** and Jauhari, S. 2002. Low cost mechanism in hybrid seed production of ornamental plants and important hybrids. *Indian Farmers Digest*, **35**(4): 35-36.
60. **Singh, A.K.** and Singh, R. 2002. Development and management of water garden. *Indian Farmers Digest*, **35**(2): 27-29.
61. **Singh, A.K.** and Singh, R. 2002. Anthurium cut flower profitable production. *Swarna Sedyam*, **5**(12): 43-44
62. Singh, R., Misra, K.K. and **Singh, A.K.** 2001. Banjar bhumi mein bel ki baghwani. *Kisan Bharti*, **32**(11&12): 43-44.
63. **Singh, A.K.** and Singh, R. 2001. Sobhakari kandiya paudhon kee upayogita evam utpadan takaniki (Hindi). *Kisan Bharti*, **32**(11&12): 19-20.
64. **Singh, A.K.** and Anand, M. 2001. Ikebana, a Japanese art of flower arrangement. *Floriculture Today*, **6**(2): 31-33.
65. **Singh, A.K.** and Singh, D.B. 2001. Selection, plantation and after care of ornamental plants for rock garden. *Indian Farmers Digest*, **34**(12): 42-44.
66. **Singh, A.K.** and Bisen, B.P. 2001. Importance of roof gardening in present scenario and its management. *Indian Farmers Digest*, **34**(1): 25-27
67. **Singh, A.K.** and Singh, Y.P. 2001. Lawn establishment, maintenance and aftercare. *Swarna Sedyam*, **4**(8): 43-45.
68. Singh, R. and **Singh, A.K.** 2001. Use of plant bio-regulators in ornamental crops. *Indian Farmers Digest*, **34**(1): 39-41.
69. Singh, N.P., **Singh, A.K.** and Patel, D.P. 2000. Shifting cultivation and its alternative approaches towards sustainable development in North East India. *Journal of North Eastern Council*, **20**: 24-30.
70. **Singh, A.K.**, Bijimol, G., Kumar, S. and Upadhyay, G. 2000. Production of carnation cut-flower: A promising enterprise. *Indian Farmers Digest*, **33**(9): 10-12.

71. **Singh, A.K.** and Singh, R.P. 2000. Growing China aster in commercial venture. *Swarna Sedyam*, **3**(9): 45-46.
72. **Singh, A.K.** and Singh, V.B. 2000. Gladiolus cultivation: A promising enterprise to the small farmers. *Intensive Agriculture*, **38**: 20-22.
73. **Singh, A.K.** and Bijimol, G. 1999. Crossandra for profitable commercial ventures. *Swarna Sedyam*, **2**: 34-35.
74. **Singh, A.K.** and Bijimol, G. 1999. Growing gladiolus is lucrative. *Farmer and Parliament*, **37**(7): 4-6.
75. **Singh, A.K.**, Sema, A. and Bijimol, G. 1999. Production technology and crop regulation of jasmine. *Indian Farmers Digest*, **32**(8): 21-22.
76. **Singh, A.K.** and Singh, V.B. 1999. Hi-Tech cultivation of chrysanthemum for domestic and export purpose. *Indian Farmers Digest*, **32**(4): 7-10.
77. **Singh, A.K.**, Singh, V.B. and Bijimol, G. 1999. Production technology of marigold in commercial ventures. *Farmer and Parliament*, **36**(6): 13-14.
78. **Singh, A.K.** and Upadhyay, G. 1999. Gerbera cultivation: A promising enterprise for cut-flower industry. *Farmer and Parliament*, **36**(1): 18, 27-28.
79. **Singh, A.K.**, Singh, V.B. and Upadhyay, G. 1999. Production technology of *Kharif* onion in Nagaland. *Swarna Sedyam*, **2**(9): 44-45.
80. **Singh, A.K.** and Singh, V.B. 1998. Floriculture: Opportunities to the Indian growers. *Farmer and Parliament*, **33**(4): 15-16 & 29-30.
81. **Singh, A.K.**, Singh, V.B. and Bijimol, G. 1998. Improved cultivars and package of practices of gladiolus for commercial venture. *Indian Farmers Digest*, **31**(12): 7-9.
82. **Singh, A.K.**, Singh, V.B. and Bijimol, G. 1998. Orchid Industry: Tremendous scope in north-eastern states. *Indian Farmers Digest*, **31**(6): 13-14 & 33.
83. **Singh, A.K.**, Singh, V.B. and Bijimol, G. 1998. Concept of high density orcharding. *Farmer and Parliament*, **33**(5): 17-18 & 28.
84. **Singh, A.K.**, Singh, V.B. and Bijimol, G. 1998. Tuberose for commercial ventures. *Farmer and Parliament*, **33**(4): 15-16 & 29-30.
85. **Singh, A.K.**, Singh, V.B. and Khan, A.H. 1998. Fruit thinning. *Intensive Agriculture*, **36**(3&4): 6-10.
86. **Singh, A.K.** and Singh, S.K. 1997. Prospect and production technology of *Kharif* onion. *Farmer and Parliament*, **33**(6): 15-16.
87. **Singh, A.K.** and Singh, S.K. 1997. Orchard management of fruit crops. *Farmer and Parliament*, **33**(9): 9-10 & 25.
88. **Singh, A.K.** and Singh, S.K. 1997. Physiological disorder of mango. *Farmer and Parliament*, **33**(3): 11-12 & 29-30.

19. Organization of Training Programme as Coordinator

S. No.	Title of the Training Programme	Name of the Funding Agency	Period of the Programme	No. of Days
1.	Production Technology of Horticultural Crop	District Horticulture Mission, Jaunpur	13.03.2011 to 18.03.2011	6 Days
2.	Production Technology of Horticultural Crop	District Horticulture Mission, Jaunpur	21.03.2011 to 26.03.2011	6 Days
3.	Production Technology of Horticultural Crop	District Horticulture Mission, Varanasi, U.P.	23.03.2011 to 28.03.2011	6 Days
4.	Production Technology of Horticultural Crop	District Horticulture Mission, Mirzapur	26.03.2011 to 31.03.2011	6 Days
5.	Production Technology of Spices	UPDASP Project, Lucknow	21.11.2011 to 25.11.2011	5 Days
6.	New On-Farm Commercial Activities	UPDASP Project, Lucknow	25-11-2011 to 01-12-2011	7 Days
7.	Bio-Dynamics Cultivation	UPDASP Project, Lucknow, U.P.	01.12.2011 to 02.12.2011	2 Days
8.	Production Technology of Horticultural Crop	District Horticulture Mission, Mirzapur	29.02.2012 to 05.03.2012	6 Days
9.	Production Technology of Horticultural Crop	District Horticulture Mission, Mirzapur	10.03.2012 to 16.03.2012	6 Days

	Horticultural Crop	Sonbhdra	15.03.2012	
10.	Production Technology of Horticultural Crop	District Horticulture Mission, Varanasi	19.03.2012 to 24.03.2012	6 Days
11.	Production Technology of Horticultural Crop	District Horticulture Mission, Varanasi	26.03.2012 to 31.03.2012	6 Days
12.	Planting and Cultivation of Guava	District Horticulture Mission, Varanasi	03.10.2012 to 04.10.2012	2 Days
13.	Cultivation of Spices	District Horticulture Mission, Varanasi	06.10.2012 to 07.10.2012	2 Days
14.	Production Technology of Flowers	District Horticulture Mission, Varanasi	08.10.2012 to 09.10.2012	2 Days
15.	Planting and Cultivation of Guava	District Horticulture Mission, Varanasi	20.10.2012 to 21.10.2012	2 Days
16.	Production Technology of Horticultural Crop	District Horticulture Mission, Varanasi	16.02.2013 to 21.02.2013	6 Days
17.	Training Programme on Gardener cum Landscapers	UPDASP Project, Lucknow	01.03.2013 to 15.03.2013	15 Days
18.	Training Programme on Gardener cum Landscapers	UPDASP Project, Lucknow	10.03.2013 to 24.03.2013	15 Days
19.	Canopy Management and Rejuvenation of Guava	District Horticulture Mission, Varanasi	29.03.2013 to 30.03.2013	2 Days
20.	Planting of Guava orchard, Crop and Canopy Management	District Horticulture Mission, Varanasi	23.09.2013 to 24.09.2013	2 Days
21.	Production Technique and Management of Tissue cultured Banana	District Horticulture Mission, Varanasi	25.09.2013 to 26.09.2013	2 Days
22.	Cultivation of Flowers	District Horticulture Mission, Varanasi	27.09.2013 to 28.09.2013	2 Days
23.	Cultivation of Spices	District Horticulture Mission, Varanasi	29.09.2013 to 30.09.2013	2 Days
24.	Production Technology of Horticultural Crops	District Horticulture Mission, Varanasi	20.02.2014 to 25.02.2014	6 Days

20. Radio Talk

1. **Singh, A.K.** 2016. Seasonal work in flowers like, Varanasi. Broadcasted on 07.12.2016.
2. **Singh, A.K.** 2014. Phal Paudho Ki Kheti under "Badhate Kadam Programme" of Gyan Vani, Varanasi. Broadcasted on 28.08.2014.
3. **Singh, A.K.** 2014. Bagon ka jirnodhar evam naye bag lagane ki bighiya. Gyan Vani Programme, Varanasi. Broadcasted on 01.07.2014.
4. **Singh, A.K.** 2002. Seasonal works in the flowering crops. All India Radio Rampur, India. Broadcasted on 21.2.2002.
5. **Singh, A.K.** 2002. Nursery raising and transplanting techniques of flowering plants. All India Radio Rampur, India.
6. **Singh, A.K.** 1999. Cultivation of gladiolus in Nagaland. All India Radio, Kohima. Broadcasted on 29.04.1999.
7. **Singh, A.K.** 1999. Cultivation of Lady's finger. All India Radio, Kohima. Broadcasted on 29.03.1999.
8. **Singh, A.K.** 1999. Cultivation of gourds. All India Radio, Kohima. Broadcasted on 23.02.1999.
9. **Singh, A.K.** 1998. Litchi and papaya: profitable crops. All India Radio, Kohima. Broadcasted on 29.12.1998.
10. **Singh, A.K.** 1998. Prospect and potential of Kharif onion in Nagaland. All India Radio, Kohima. Broadcasted on 16.11.1998.
11. **Singh, A.K.** 1998. Nursery of ornamental plants for more profit. All India Radio, Kohima. Broadcasted on 27.10.1998.
12. **Singh, A.K.** 1998. Production of gladiolus in Nagaland situation. All India Radio, Kohima. Broadcasted on 13.10.1998.

13. **Singh, A.K.** 1998. Planning and lay out of guava orchard. All India Radio, Kohima. Broadcasted on 14.07.1998.
14. **Singh, A.K.** 1998. Cultivation of French bean. All India Radio, Kohima, India. Broadcasted on 08.06.1998.
15. **Singh, A.K.** 1998. Manuring and fertilizer management in old orchard. All India Radio, Kohima, India. Broadcasted on 12.05.1998.
16. **Singh, A.K.** 1998. Mixed cropping for higher yield. All India Radio, Kohima. Broadcasted on 24.03.1998.
17. **Singh, A.K.** 1998. Rejuvenation of old orchards. All India Radio, Kohima, India. Broadcasted on 10.03.1998.
18. **Singh, A.K.** 1998. Prospects of floriculture in Nagaland. All India Radio, Kohima, India. Broadcasted on 11.02.1998.
19. **Singh, A.K.** 1998. Ginger and its medicants to human. All India Radio, Kohima, India. Broadcasted on 14.01.1998.
20. **Singh, A.K.** 1997. Cultivation of fruits for self sufficiency. All India Radio, Kohima, India. Broadcasted on 11.12.1997.
21. **Singh, A.K.** 1997. Selection of winter vegetable. All India Radio, Kohima, India. Broadcasted on 10.11.1997.
22. **Singh, A.K.** 1997. Cultivation of ashwagandha. All India Radio, Allahabad, India. June, 1997.
23. **Singh, A.K.** 1997. Care and management of mango orchard during February. All India Radio, Allahabad, India. Broadcasted on 17.02.1997.

21. TV Talk

1. **Singh, A.K.** 2015. Seasonal work, harvesting and post-harvest management of gladiolus organized by Doordarshan Kendra, Varanasi. Broadcasted in Feb. month.
2. **Singh, A.K.** 2014. Production technique of marigold during summer and rainy season organized by Doordarshan Kendra, Varanasi. Broadcasted in May month.
3. **Singh, A.K.** 2014. Seasonal work in marigold and gaillardia during summer organized by Doordarshan Kendra, Varanasi.
4. **Singh, A.K.** 2013. Production technique of gaillardia during summer season organized by Doordarshan Kendra, Varanasi. Broadcasted in April month.
5. **Singh, A.K.** 2013. Production technique of marigold during summer season organized by Doordarshan Kendra, Varanasi. Broadcasted in March month.
6. **Singh, A.K.** 2012. Cultivation and management of roses in polyhouse organized by Doordarshan Kendra, Varanasi. Broadcasted in October month.
7. **Singh, A.K.** 2012. Cultivation and management of gladiolus crop organized by Doordarshan Kendra, Varanasi. Broadcasted in August month.
8. **Singh, A.K.** 2011. Cultivation and management of tuberose crop organized by Doordarshan Kendra, Varanasi. Broadcasted in February month.
9. **Singh, A.K.** 2010. Production technique of gerbera organized by Doordarshan Kendra, Varanasi. Broadcasted in December month.
10. **Singh, A.K.** 2007. Cultivation and management of gladiolus crop organized by Doordarshan Kendra, Varanasi. Broadcasted on 04.12. 2007.
11. **Singh, A.K.** 2007. Nursery raising of winter season flowers organized by Doordarshan Kendra, Varanasi. Broadcasted on 21.09. 2007.
12. **Singh, A.K.** 2007. Seasonal work in Gaillardia during summer organized by Doordarshan Kendra, Varanasi. Broadcasted on 24.04.2007.
13. **Singh, A.K.** 2007. Seasonal work of summer season marigold flowers organized by Doordarshan Kendra, Varanasi. Broadcasted on 19.03.2007.
14. **Singh, A.K.** 2004. How to grow Dahlia organized by Doordarshan Kendra, Lucknow, 2004.

Total Publications

- Research Papers (Published) 168
- Proceeding Papers 11
- Paper presented in Seminar/Symposium/Conferences 300
- Books 08
- Book Chapters 32
- Semi-scientific/Popular Articles 88

607



(Anil K. Singh)