

1. Background Information

University of Agricultural Sciences, Bangalore is a Voluntary centre, started during 1979, without any financial help from AICRP on Floriculture of ICAR with two projects on Chrysanthemum and Rose. However from 2008-09 onwards some financial assistance was given towards recurring expenditure for conducting experiments under AICRP on floriculture, at the Department of Horticulture, GKVK, Campus, UAS, Bangalore with a separate floriculture section wherein teaching, research and extension activities are carried out. Research work is conducted with respect to crop improvement, crop production, Green house production of cut flower crops and post harvest technology of both open grown and protected cultivated flower crops.

2. Staff Position

Since, UAS (B) is a voluntary Centre, there is no separate staff provided for the centre. However, the Scientist who is in charge of the Floriculture section in the Department of Horticulture is looking after the different experiments under AICRP on floriculture.

3. Name of the Scientist and Address: Dr. (Mrs.) R. Jayanthi

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4. Budget Details:

Since UAS (B) is a voluntary center, Rs.1,00,000=00 was provided as recurring contingency including TA for the year 2015-16. The said amount has been utilized for purchase of materials like earthen pots, sand, FYM, plant materials, polythene sheets, stationary etc required for conducting experiments under AICRP on Floriculture.

5. Salient achievements made during 2015-16: Enclosed (Annexure -I)

6. Varieties evolved along with recommendation to flower growers: NA

7. Data of various experiments: Enclosed (Annexure -II)

- 8. Colour photographs of the experiments: Enclosed in the soft copy only. Yes (attached as separate files)**
- 9. Kindly do not mention that observation recording is in progress/the experiment is in progress, etc. and also do not give inconclusive data: Yes**
- 10. Meteorological Data: Enclosed (Annexure-IV)**
- 11. Research Publication: Enclosed (Annexure -V)**
- 12. Training programmes/ Symposiums /Seminars etc. attended: Enclosed (Annexure – VI)**
- 13. NRC items procured in the year 2015-16: NA (Since UAS (B) is a voluntary centre)**
- 14. The pooled data along with summary / conclusion of all the concluded experiments: NA**
- 15. The details of new lines / hybrids developed: NIL**

Annexure-I

4. Salient achievements made during 2015-16

Title of the Experiment / Project: Project No. 2.9.1 Studies on year round production of marigold Pusa Narangi Gaiinda and Local French marigold

The highest plant height was recorded in open field condition (G_1) (56.93, 69.76 and 80.73 cm, at 60, 75 DAT and at harvest respectively), while least was noticed in poly house condition (G_2) (52.94, 68.73 and 79.03cm, at 60, 75 DAT and at harvest respectively).

The highest number of branches were recorded in open field condition (G_1) (10.58, 12.81 and 15.13 at 60, 75 DAT and at harvest respectively), while least was noticed in poly house condition (G_2) (10.28, 12.55 and 14.51 at 60, 75 DAT and at harvest respectively).

The higher plant spread in North-South direction recorded in open field condition (G_1) (37.22 and 40.10 cm, at 75 DAT and at harvest respectively), while lower was noticed in poly house condition (G_2) (36.33 and 39.29 cm, at 75 DAT and at harvest respectively).

Similarly, the higher plant spread in East-West direction recorded in open field condition (G_1) (37.08 and 39.82 cm, at 75 DAT and at harvest respectively), while lower was noticed in poly house condition (G_2) (35.92 and 38.78 cm, at 75 DAT and at harvest respectively).

Title of the Experiment / Project: Project No.4.2: Standardization of post harvest technology for gladiolus

Experiment 1: Studies on the wet storage of cut gladiolus spikes in relation to stage of harvest.

Results: Experiment was carried out with Gladiolus cv.White Prosperity cut flowers. Higher vase life was obtained with stage 1of harvest (when 1-2 florets showed colour) when stored in ambient condition in distilled water. Percent floret opening and floret diameter increased with increased storage period. Longevity of open florets decreased with increased storage period.

Experiment 2: Studies on the dry cold storage of cut gladiolus spikes with pre storage pulsing treatment

Results : The flowers which were pulsed with Sucrose 20 per cent + $Al_2(SO_4)_3$ 300 PPM + GA_3 50 PPM showed significantly higher average longevity, total amount of water per spike (g), percentage of opened florets, diameter of the second floret, least per cent decrease in fresh weight and maximum vase life after storage and after simulated transit. Flowers which were stored for 3 days storage duration under dry cold storage had significantly maximum vase life (7.85 days).

Project No. 1.14.1 Collection and evaluation of cut foliage and filler (*Asperagus*, ferns and philodendron)

Experiment No. 1: Evaluation of different species / varieties of *Asparagus* with respect to growth, yield and vase life.

Results: *Asparagus densiflorus* 'Sprengeri' compacta produced maximum no:of cladophylls (324.80), whereas *Asparagus densiflorus* 'Myers' produced minimum no:of cladophylls per plant (31.99). *Asparagus setaceus* syn. *plumosus* had the maximum cladophyll length (212.65 cm), while *Asparagus densiflorus* 'Sprengeri' compacta recorded the minimum cladophyll length (23.87 cm) at 12 months after planting. *Asparagus densiflorus* 'Myers' produced the maximum no: of branches per cladophyll (300.60) which was superior over other varieties, while variety *Asparagus densiflorus* 'Sprengeri' compacta produced minimum no:of branches per cladophyll (8.93) *Asparagus setaceus* syn. *Plumosus* had the maximum cladophyll stalk length (11.09 cm) which was superior to other varieties and the least stalk length (1.72 cm) was recorded in *Asparagus densiflorus* 'Myers' *Asparagus densiflorus* 'Sprengeri' compacta was early to initiate newer cladophyll (3.80 days) while *Asparagus densiflorus* 'Myers' was late in newer cladophyll initiation (11.60 days). Fresh weight of the cladophyll was highest (25.04 g) in *Asparagus densiflorus* 'Myers' whereas it was lowest (2.16 g) in *Asparagus densiflorus* 'Sprengeri' compacta. Cut foliage yield/sq.m/year was more in *Asparagus densiflorus* 'Sprengeri' compacta (1677.28 no's) while the minimum yield of 76.10 no's. / sq.m was recorded in *Asparagus densiflorus* 'Myers'.

Varietal performance of ferns

Nephrolepis exaltata and *Nephrolepis cordifolia* 'Duffii' took least no:of days for initiation of newer fronds (3.00 and 3.40 days respectively) hence these are registered as early cultivars, while *Polypodium scolopendria* can be regarded as late cultivar which took 14.20 days for production of newer fronds

Maximum cut frond yield of 126.89 no's / sq.m was recorded in *Nephrolepis exaltata*, , while the minimum cut foliage yield of 8.18 no's / sq.m was recorded in *Polypodium scolopendria*

Annexure-II

6. Data of various experiments

Project No. 2.9.1 Studies on year round production of marigold Pusa Narangi Gainda and Local French marigold

Table 1. Growth, yield and quality parameters as influenced by different growing conditions in Pusa Narangi Gainda

Sl. No	Seed yield and quality parameters	Conditions		Mean	SEm ±	CD (0.05P)
		PH	OF			
1.	Plant height (cm)	79.03	80.73		0.51	1.46
2.	Number of primary branches	14.51	15.13		0.20	0.57
3.	Stem girth	4.21	4.23		0.04	NS
4.	Flower size (cm)	6.11	6.20		0.03	0.09
5.	Number of flowers per plant	45.74	46.75		0.33	0.94
6.	Fresh weight of ten flower (g)	9.63	9.84		0.07	0.20
7.	Dry weight of ten flower (g)	1.94	2.02		0.02	0.07
8.	Number of seeds/flower	131.25	138.83		0.89	2.57
9.	Seed yield/plant (g)	9.67	10.06		0.10	0.30
10.	Germination (%)	80.42	82.17		1.15	NS
11.	Seedling length (cm)	11.05	11.16		0.06	NS
12.	Seedling dry weight	11.25	11.56		0.09	NS

Project No.4.2 : Standardization of post harvest technology for gladiolus

Experiment 1: Studies on the wet storage of cut gladiolus spikes in relation to stage of harvest.

Table.1. Effect of stage of harvest and duration of wet cold storage on post harvest attributes

Stage of harvest	No of days taken for opening basal floret in storage	No of days taken for opening basal floret in vase	Av. Longevity of opened florets in vase (days)	Percentage of opened florets/ spike in vase (%)	Diameter of the second floret(cm)	Per cent decrease in fresh weight	Vase life(days)
S1 [Stage 1(when 1-2florets show colour)]	2.45	1.05	1.64	79.37	7.24	2.52	7.10
S2 [Stage 2(when 5-6florets show colour)]	2.05	0.84	1.91	83.43	7.82	3.36	6.78
S3 [Stage 3(when basal floret half open)]	1.55	0.58	2.15	86.36	7.83	3.85	6.38
F TEST	*	*	*	*	*	*	*
S.Em+	0.0305	0.0268	0.0122	0.0441	0.0355	0.0384	0.0328
CD @ 5%	0.0896	0.0786	0.0359	0.1293	0.1041	0.1127	0.0963
Storage duration							
D0 (0days)	3.13	1.44	1.93	86.96	8.11	1.84	6.58
D1 (3days)	2.80	1.32	2.12	84.65	7.86	2.31	7.33
D2 (6days)	1.57	0.53	1.84	82.93	7.38	3.56	6.90
D3 (9days)	0.56	0.00	1.71	77.67	7.17	5.26	6.21
F- TEST	*	*	*	*	*	*	*
S.Em+	0.0353	0.0309	0.0141	0.0509	0.0410	0.0443	0.0379
CD @ 5%	0.1034	0.0907	0.0415	0.1493	0.1202	0.1301	0.1112
Interaction S x D							
S1D0	3.60	1.75	1.70	83.76	7.56	1.33	6.95
S1D1	3.20	1.66	1.80	81.53	7.46	1.63	7.70
S1D2	2.13	0.80	1.63	79.56	7.15	2.80	7.14
S1D3	0.90	0.00	1.45	72.63	6.80	4.33	6.63
S2D0	3.20	1.46	1.95	86.63	8.33	1.86	6.60
S2D1	2.90	1.30	2.12	84.70	7.86	2.43	7.40
S2D2	1.50	0.60	1.84	83.63	7.63	3.63	6.86
S2D3	0.60	0.00	1.75	78.76	7.46	5.53	6.26
S3D0	2.60	1.13	2.15	90.50	8.43	2.33	6.20

S3D1	2.30	1.00	2.45	87.73	8.26	2.86	6.90
S3D2	1.10	0.20	2.05	85.60	7.36	4.26	6.70
S3D3	0.20	0.00	1.95	81.63	7.26	5.93	5.73
F TEST	*	*	*	*	*	*	*
S.Em+	0.0611	0.0536	0.0245	0.0882	0.0710	0.0768	0.0657
CD @ 5%	0.1791	0.1571	0.0718	0.2587	0.2083	0.2253	0.1926

Table 4. Effect of pulsing treatment and duration of dry cold storage on post harvest attributes

Pulsing	No of opened florets	No of days taken for basal floret open in vase	Av Longevity of opened florets/spike (days)	Total amount of water absorbed/spike
P0 (distil water)	0.98	1.42	1.92	24.83
P1 (Sucrose 20 per cent + Al ₂ (SO ₄) ₃ 300ppm)	1.11	1.24	2.23	28.36
P2 (Sucrose 20per cent + Al ₂ (SO ₄) ₃ 300ppm +GA ₃ 50ppm)	1.40	0.95	2.30	31.75
F TEST	*	*	*	*
S.Em+	0.0143	0.0144	0.0192	0.1316
CD @ 5%	0.0427	0.0429	0.0572	0.3928
Storage duration				
D0 (0 days)	1.75	1.79	2.32	30.87
D1 (3 days)	1.47	1.54	2.55	32.58
D2 (6 days)	1.21	1.37	2.37	30.89
D3 (9 days)	1.05	1.06	2.18	28.34
D4 (12 days)	0.83	0.86	2.01	26.42
D5 (15 days)	0.68	0.60	1.51	20.77
F TEST	*	*	*	*
S.Em+	0.0202	0.0203	0.0271	0.1861
CD @ 5%	0.0604	0.0606	0.0809	0.5555
Interaction P x D				
P0D0	2.00	2.00	28.58	86.90
P0D1	1.80	2.35	29.75	87.56
P0D2	1.62	2.21	28.22	83.20
P0D3	1.25	1.98	25.25	77.21
P0D4	1.10	1.85	21.64	67.50
P0D5	0.80	1.16	15.55	58.29
P1D0	1.83	2.41	30.51	88.20
P1D1	1.62	2.63	32.25	91.20
P1D2	1.40	2.41	30.00	86.50
P1D3	1.15	2.25	28.25	81.30
P1D4	0.90	2.06	27.62	70.41
P1D5	0.55	1.65	21.52	65.18
P2D0	1.55	2.55	33.52	91.15

P2D1	1.20	2.69	35.75	93.55
P2D2	1.10	2.48	34.45	88.20
P2D3	0.80	2.31	31.51	83.00
P2D4	0.60	2.11	30.00	73.52
P2D5	0.45	1.71	25.25	68.57
F TEST	*	*	*	*
S.Em+	0.0352	0.0469	0.3224	0.1519
CD @ 5%	0.1050	0.1401	0.9621	0.4534

Table 5. Effect of pulsing treatment and duration of dry cold storage on post harvest attributes

Pulsing	Percentage of opened florets in vase	Diameter of the second floret	Per cent decrease in fresh weight after storage(%)	Per cent decrease in fresh weight after simulated transit	Vase life (days)
P0 (distil water)	76.78	7.67	6.74	2.03	6.09
P1 (Sucrose 20 per cent + Al ₂ (SO ₄) ₃ 300ppm)	80.46	7.87	5.64	1.59	6.77
P2 (Sucrose 20per cent + Al ₂ (SO ₄) ₃ 300ppm +GA ₃ 50ppm)	83.00	8.29	4.88	1.40	7.35
F TEST	*	*	*	*	*
S.Em±	0.0620	0.0551	0.0347	0.0319	0.0350
CD @ 5%	0.1851	0.1644	0.1035	0.0951	0.1046
Storage duration					
D0 (0 days)	88.75	8.55	0.00	0.95	7.17
D1 (3 days)	90.77	8.85	4.68	1.34	7.85
D2 (6 days)	85.97	8.65	5.97	1.67	7.31
D3 (9 days)	80.50	8.35	7.14	1.82	6.73
D4 (12 days)	70.47	7.90	8.12	1.94	6.28
D5 (15 days)	64.01	7.45	8.61	2.33	5.08
F TEST	*	*	*	*	*
S.Em±	0.0877	0.0779	0.0491	0.0451	0.0496
CD @ 5%	0.2618	0.2325	0.1464	0.1345	0.1479
Interaction P x D					
P0D0	1.61	8.45	0.00	1.20	6.70
P0D1	1.31	8.15	5.75	1.65	7.55
P0D2	1.05	8.00	7.36	1.87	6.84
P0D3	0.81	7.65	8.24	2.20	6.05
P0D4	0.62	7.15	9.34	2.40	5.32
P0D5	0.50	6.65	9.75	2.90	4.10
P1D0	1.74	8.15	0.00	0.90	7.10
P1D1	1.45	8.45	4.54	1.28	7.85
P1D2	1.15	8.35	5.94	1.69	7.20
P1D3	1.00	7.90	6.84	1.76	6.85

P1D4	0.72	7.40	7.92	1.77	6.52
P1D5	0.61	7.00	8.64	2.16	5.10
P2D0	1.92	8.55	0.00	0.77	7.71
P2D1	1.65	8.85	3.75	1.10	8.15
P2D2	1.45	8.65	4.62	1.45	7.89
P2D3	1.35	8.35	6.35	1.51	7.30
P2D4	1.15	7.90	7.12	1.65	7.00
P2D5	0.93	7.45	7.44	1.93	6.05
F TEST	*	NS	*	*	*
S.Em+	0.0351	0.1350	0.0850	0.0781	0.0858
CD @ 5%	0.1047	0.4028	0.2536	0.2330	0.2561

Project No. 1.14.1 Collection and evaluation of cut foliage and filler (Asparagus, ferns and philodendron)

Table 6. Evaluation of *Asparagus* species / varieties as cut foliage at Bangalore

Treatments	Plant spread (cm)		Number of cladophylls / plant	Cladophyll length (cm)	Cladophyll breadth (cm)	Number of branches /cladophyll
	180 DAP			180 DAP	360 DAP	
	EW	NS	360 DAP	360 DAP		
<i>Asparagus densiflorus</i> 'Sprengeri'	45.82	41.64	52.20	66.80	19.63	47.33
<i>Asparagus setaceus</i> syn. <i>Plumosus</i>	65.64	56.51	36.36	212.65	43.43	46.71
<i>Asparagus densiflorus</i> 'Sprengeri' compacta	38.82	38.98	324.80	23.87	6.32	8.93
<i>Asparagus densiflorus</i> 'Myers'	53.01	45.37	31.99	63.61	8.31	300.60
Mean	50.82	45.62	111.34	91.73	19.42	100.89
F TEST	*	*	*	*	*	*
S.Em±	2.661	2.044	10.934	1.452	0.499	1.17
CD @ 5%	8.201	6.299	33.694	4.475	1.538	3.61

Table 7. Cladophyll production interval, Stalk length, Stalk girth, fresh weight, inter nodal length and yield as influenced by different species / varieties of Asparagus

Treatments	Cladophyll production interval (days)	Cladophyll stalk length (cm)	Cladophyll stalk girth (cm)	Fresh weight of the cladophyll (g)	Inter nodal length on the cladophyll (cm)	Average yield / sq.m (no's) 420 DAP
<i>Asparagus densiflorus</i> 'Sprengeri'	6.40	6.82	0.74	19.82	1.38	244.78
' <i>Asparagus setaceus</i> syn. <i>Plumosus</i>	8.40	11.09	1.16	15.06	3.12	157.27
<i>Asparagus densiflorus</i> 'Sprengeri' <i>compacta</i>	3.80	5.49	0.14	2.16	0.89	1677.28
<i>Asparagus densiflorus</i> 'Myers'	11.60	1.72	1.66	25.04	0.39	76.10
Mean	7.55	6.28	0.93	15.52	1.44	538.86
F TEST	*	*	*	*	*	*
S.Em _±	1.74	0.417	0.08	0.194	0.105	2.895
CD @ 5%	5.38	1.285	0.26	0.598	0.322	8.922

Table 8: Vase life parameters as influenced by different species / varieties of Asparagus

Treatments	Initial fresh weight of cut asparagus (g)	Weight of cut asparagus at senescence (g)	Water uptake (g)	Physiological loss in weight (%)	Vase life (days)
<i>Asparagus densiflorus</i> 'Sprengeri'	21.20	5.4	37.65	52.97	5.80
' <i>Asparagus setaceus</i> syn. <i>Plumosus</i>	16.20	8.2	41.06	43.85	8.40
<i>Asparagus densiflorus</i> 'Sprengeri' <i>compacta</i>	2.80	2.2	39.79	44.06	6.20
<i>Asparagus densiflorus</i> 'Myers'	29.80	18.4	50.71	39.56	11.20
Mean	17.50	8.56	42.31	45.11	7.90
F TEST	*	*	*	*	*
S.Em _±	0.661	0.424	0.278	1.032	0.268
CD @ 5%	2.036	1.307	0.855	3.181	0.825

Annexure-IV

Meteorological data for the crop growth period indicating monthly normal (N), actual (A) and deviation (D) during 2015 and 2016 at GKVK, UAS, Bengaluru

Month	Rainfall (mm)			Maximum Temperature (°C)			Minimum Temperature (°C)			Relative humidity (%)			Sunshine hours (hrs)		
	N	A	D	N	A	D	N	A	D	N	A	D	N	A	D
January 2015	1.4	0.0	-1.4	27.40	27.58	0.1	13.90	14.66	0.7	85.70	92.10	6.4	8.9	9.1	0.2
February 2015	9.4	0.0	-9.4	29.84	29.84	0.0	15.31	16.28	0.9	80.20	86.95	6.7	9.5	8.5	-1
March 2015	16.4	10.0	-6.4	32.68	32.13	-0.5	17.95	18.23	0.3	75.01	77.95	2.9	9.4	8.6	-0.8
April 2015	56.4	25.5	-30.9	33.79	34.75	1.0	20.45	21.15	0.7	79.25	80.43	1.2	8.9	8.2	-0.7
May 2015	99.9	81.4	-18.5	33.15	33.21	0.1	20.55	21.18	0.6	81.10	85.81	4.7	8.3	8.1	-0.2
June 2015	78.1	92.0	13.9	29.54	30.88	1.3	19.48	20.66	1.2	85.80	88.22	2.4	5.7	7.3	1.6
July 2015	102.4	80.8	-21.6	28.15	28.26	0.1	19.14	19.68	0.5	87.91	93.01	5.1	4.4	4.1	-0.3
August 2015	132.5	117.4	-15.1	27.62	28.28	0.6	18.96	19.54	0.6	88.83	93.39	4.5	4.6	3.8	-0.8
September 2015	194.0	128.6	-65.4	28.00	28.57	0.5	18.85	19.34	0.5	88.75	91.48	2.7	5.8	4.4	-1.4
October 2015	163.5	428.4	264.9	27.84	28.18	0.3	18.35	18.73	0.4	87.88	93.54	5.7	6	4.4	-1.6
November 2015	56.2	29.4	-26.8	26.64	26.85	0.2	16.63	16.35	-0.3	86.80	89.85	3.0	6.1	6.7	0.6
December 2015	12.0	1.0	-11	26.18	26.65	0.5	14.35	16.17	1.8	86.61	89.59	2.9	7.3	6.2	-1.1
January 2016	1.3	0.0	-1.3	27.30	27.48	0.1	13.70	14.50	0.8	85.50	91.90	6.3	8.7	9.0	0.3
February 2016	9.6	0.0	-9.4	29.80	29.80	0.0	15.10	16.10	0.8	80.10	86.84	6.6	9.4	8.5	-1.1

Note. N: Normal meteorological data (mean of 1972-2013), A: Actual meteorological data (2014), D: Deviation from the Normal (A-N)

Annexure-V

Research Publications:

Research papers/abstracts presented in seminars/conferences/Symposia /workshops etc.

1. Rekhyha Naik, **R. Jayanthi** and Girish, G.C., and Ramesh Koli (2015) “**Effect of chemical fertilizers, Bio- Fertilizers and GA₃ on growth and flowering of Anthurium(*Anthurium andreanum* Lind) Cv. Red Crinkle**” presentation in National Conference on Productivity and Sustainability, Role of Agriculturally Important Micro-Organism held at GKVK, Bangalore.
2. Harish, M S.,G.V. Basavaraju, **R. Jayanthi**, A. Fakeerappa and R. Paramesha,(2015), “**Influence of microbial inoculants and corn size on growth parameters of gladiolus (*Gladiolus grandiflorous* L.) cv. Picardy**” Poster presentation in National Conference on Productivity and Sustainability, Role of Agriculturally Important Micro- Organism abstract page no.88 held at GKVK, Bangalore
3. Safeena S. A, **Jayanthi R**, B. Raju, S. Jaganath, B.M. Ramakrishna, V.R. Ramakrishna Parama and N.P. Singh(2015), “**Influence of pulsing treatments on the vase life of Springeri fern (*Asparagus Densiflorus ‘Sprengeri’*)**” Poster presentation under Track 9-3 : Post harvest management and processing during 2nd international conference on agricultural and horticultural sciences held at Hyderabad
4. Safeena S.A, **Jayanthi R**, B. Raju, S.J aganath, B.M. Ramakrishna, V.R. Ramakrishna Parama and N.P. Singh (2015), “**Evaluation of different ornamental asparagus species/varieties for production of cut foliage and vase life**” Poster presentation under track 9-4 floriculture and horticulture during 2nd international conference on agricultural and horticultural sciences held at Hyderabad
5. Safeena S.A, **Jayanthi R**, B. Raju, S.jaganth, B.M. Ramakrishna, V.R. Ramakrishna Parama and N.P. Singh (2015), “**On influence of pulsing treatment on vase life of springeri ferm (*Asparagus densiflorus ‘Sprengeri’*)**”, *Indian Jr. of Horticultural Sciences* (sent for publication).
6. Safeena S.A, **Jayanthi R**, B. Raju, S. Jaganth, B.M. Ramakrishna, V.R. Ramakrishna Parama and N.P. Singh (2015) on “**Evaluation of different ornamental asparagus species/varieties for production of cut foliage and vase life**” *Indian Jr. of Horticultural sciences* (accepted for publication)
7. Prakash, N.R., R. Parameshwar, **R. Jayanthi** and Harish, M.S., 2015, **Influence of Microbial Inoculation and Planting geometry on growth parameters of African Marigold (*Tagetes erecta* L.)**” page No.83, Poster presentation National Conference on Productivity and Sustainability, Role of Agriculturally Important Micro- Organism.

8. Prakash, N.R., R. Parameshwar, **R. Jayanthi** and Harish, M.S., 2015, **Influence of Microbial Inoculation and Planting geometry on yield parameters of African Marigold (*Tagetes erecta* L.)**” page No.83, Poster presentation National Conference on Productivity and Sustainability, Role of Agriculturally Important Micro- Organism.
9. Harish, M.S., G.V. BasavaRaju, **R. Jayanthi.**, A. Fakeerappa and R. Paramesh (2015), **“Vase life studies on influenced by Bio-fertilizers with recommended level of NPK in different sized gladiolus seed corns (*Gladiolus gradiflorus*) cv. Picardy”** , presented in National Conference on Productivity and Sustainability, Role of Agriculturally Important Micro- Organism page no. 29 book of abstract.
10. Harish, M.S., G.V. Basava Raju, **R. Jayanthi**, and R. Paramesh (2015), **“Economics of seed production as influenced by nutrient levels and seed corns size in Gladiolus (*Gladiolus grandiflorus*) cv. Picardy”** paper presented in 7th National seed congress 2015 held at Bhopal
11. D.L. Savithramma, K. Suresh, N.N. Thi and **R. Jayanthi** (2015), **“Assessment of drought tolerance in Tomato germplasm based on quantitative indices (*Solanum Spp.*)”**“ Science Conference. Org. ICID at Montpellier France, Ab.No.74215

Popular Articles

SL. NO	News paper	Date	Topic
1	Samyuktha Karnataka (krishidarshana)	June 3 rd , 2015	Labadayaka bahupayogi hovinabele- Chendumallige
2	Samyuktha Karnataka (krishidarshana)	November 15 th , 2015	China aster- Labadayaka hovinabele

Annexure – VI

Training programmes /Symposiums /Seminars etc. attended

Sl. No.	Training programme	Place	Year
1.	Participated in one day workshop on “International Women’s Day”	UASB GKVK , Bangalore	09-03-2015
2.	Attended annual technical meeting of Dept., of Horticulture	UASB GKVK , Bangalore	9-11 th Feb 2015
3.	Participated in workshop on “Review Meeting of Seed production, Targets and Action Plan” for 2015-16	GKVK, Bangalore	21 st May 2015
4.	Participated in a expert committee meeting on “Export incentives and concession for support for development of exports of Gherkins, Rose onion and Floriculture products	VTPC office , Kasturba Road, Bangalore	4 th April 2015
5.	Participated in “Science Week organized by Dean (PGS) for PG students & faculty” held during 9 th May 2015 at GKVK, Bangalore.	GKVK, Bangalore	4 th to 9 th May 2015
6.	49 th Convocation of University of Agricultural Sciences	GKVK, Bangalore	14-03-2105
7.	Environmental Day	GKVK, Bangalore	05-06-2015
8.	Fresher’s Day	GKVK, Bangalore	09-10-2015
9.	Kannada Rajyothasava	GKVK, Bangalore	26-11-2015
10.	Question paper setting for PG entrance exam of M.Sc. (Hort.) of Floriculture	GKVK, Bangalore	09-03-2015



UNIVERSITY OF AGRICULTURAL SCIENCES (B)
Department of Horticulture
GKVK, Bangalore-65

Dr. R. Jayanthi
Scientist In-Charge
AICRP on Floriculture & Professor

Date: 10-06-2016

To,

Director of Research
UAS, GKVK, Bangalore-65

Thorough Proper Channel

Dear Sir,

Sub: Submission of Annual Progress Report for 2015-2016 of AICRP on Floriculture- reg
Ref.: No. DFR by email dated : 03-06-2016

With reference to the above subject cited kindly find enclosed the Annual Progress Report for 2015-16 of experiments conducted under All India Coordinated Research Project on Floriculture at UAS, (Bangalore) a, voluntary Centre. As far as possible, we have given all the details as per the format provided by DFR except those which are not applicable to our centre since ours is a voluntary centre. I request you to forward the report to the following address. This is for your kind information and further needful.

Director,
Directorate of Floricultural Research (ICAR),
College of Agriculture Campus, Shivaji nagar, Pune-411 005

Thanking you

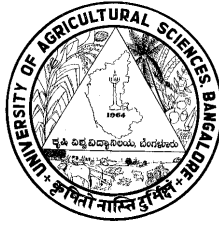
Yours faithfully,

(R. Jayanthi)

**ALL INDIA COORDINATED RESEARCH IMPROVEMENT
PROJECT ON FLORICULTURE OF ICAR**

ANNUAL RESEARCH REPORT

2015-2016



VOLUNTARY CENTRE

UNIVERSITY OF AGRICULTURAL SCIENCES

DIVISION OF HORTICULTURE, GKVK CAMPUS

BANGALORE -560 065

ALL INDIA COORDINATED RESEARCH IMPROVEMENT
PROJECT ON FLORICULTURE OF ICAR

1. Name of the Centre : University of Agricultural Sciences, Bangalore,
Voluntary Centre
Department of Horticulture, GKVK Campus
Bangalore -560 065

2. Name of the Scientist In - Charge: Dr. R. Jayanthi
Professor and Scientist In charge of the Project
Department of Horticulture
UAS, GKVK, Bangalore-560 065

3. Head of the Department : Dr. Narase Gowda
Professor and Head
Department of Horticulture
UAS, GKVK, Bangalore -560 065

