**PROFORMA FOR Faculty Profile**

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|  | Name | Dr./Prof./Mr./Ms. **RAJIV** | |
|  | Date of Birth | Date **15** Month **07** Year **1969** | |
|  | Designation | Vegetable Agronomist | |
|  | College/Department | College of Horticulture,  Department of Vegetable Science, Kalyanpur, Kanpur | |
|  | Contact info | Office Details | Personal Details |
| Phone :  Mobile:  Email : | Phone :  Mobile: **08765600151**  Email : [**rajiv.agro69@gmail.com**](mailto:rajiv.agro69@gmail.com) |
|  | Year of joining at CSAUA&T | Date **18**  Month **01** Year **2001** | |
|  | Date of last promotion | Date Month Year    From: To: | |
|  | Responsibilities assigned | |  |  | | --- | --- | | Teaching | Involved in teaching programmes of B.Sc. and M.Sc. classes of Horticulture and Vegetable discipline. | | Research | Suitable agro-techniques of vegetable crops are being developed under Plan and Non-plan research programmes. | | Extension | Actively engaged in Transfer of Technology (TOT) programmes, On Farm Trials (OFT) and Farm Advisory Services. | | AICRP | AICRP on Potato & Vegetable Crops. | | Others (specify) | I did worked as **District Project Coordinator** on deputation during 14.05.2003 to 06.08.2004 and 05.06.2009 to 23.07.2012 in U.P. DASP under Government of U.P. (A World Bank aided Project). | | |
|  | Awards received | **National** | |
| **International**  Name Agency Year  **STATE/UNIVERSITY:**   |  |  |  | | --- | --- | --- | | **Name** | **Agency** | **Year** | | Vishvavidhayalya Gaurav | CSAUA&T, Kanpur | 2008 | | Azad Krishi Samman-2013 | CSAUA&T, Kanpur | 2013-14 |     **RECOGNITION:**   |  |  |  | | --- | --- | --- | | **Name** | **Agency** | **Year** | | Certificate of Appreciation | Government of U.P., Lucknow | 2004 | | Fellow of Hind Agri- Horticultural Society (FHAS) | Hind Agricultural Research and Training Institute, Muzaffar nagar (U.P.) | 2011 | | Member Secretary cum Treasurer | Agriculture Technology Management Agency (ATMA) – Etawah & Hamirpur under U.P.DASP, Government of U.P. | 2003-04 & 2009 to 2012 | | Member - Editorial Board | International Journal of Agricultural Sciences, Hind Agricultural Research and Training Institute, Muzaffar Nagar (U.P.). | 2012, 2013, 2015, 2016 | | Certificate of Appreciation | CSAUA&T, Kanpur | 2016 | | Expert/External Examiner/ Paper Writer-Setter | GBPUA&T, Pantnagar & CCS University, Meerut and SVBPUA&T, Meerut | Time to time | | |
|  | Publications since joining CSAUA&T  (give numbers only) | |  |  |  | | --- | --- | --- | | 1 | **Books** | **03** | | 2 | **Technical Bulletins** | **02** | | 3 | **Review Articles** | **03** | | 4 | **Research Papers** |  | | (i) | National | **02** | | (ii) | International | **13** | | 5 | **Popular articles** | **04** | | 6 | **Others (specify)** |  | | (i) | Book Chapter | **01** | | (ii) | Extended Summary - Presented/Published | **04** | | (iii) | Research Abstract - Presented/Published | **30** | | (iv) | Extension bulletins/folder developed (Hindi) | **10** | | (v) | Technical documents/SREP/Report etc. | **06** | | (vi) | Article in New Papers | **>150** | | |
|  | Books published | |  |  |  |  | | --- | --- | --- | --- | | **Book Title** | **Authors** | **Publisher** | **Year** | | Atlas – Vegetable Portion (311pp) | Involved as a member of Editorial Board | CSAUA&T, Kanpur | 2014 | | Vegetable Research Highlights (32pp) | D.P. Singh, H.G. Prakash, **Rajiv**, N.B. Singh, S.K. Singh, M. Mohan, A.K. Dubey and R.K. Pandey | Directorate of Research, CSAUA&T, Kanpur | 2014 | | Paustik Aloo (Hindi) (104 pp) **ISBN No. 978-81-211-0961-1** | **Rajiv**, D.P. Singh, H.G. Prakash, P.K. Rathi and K.P. Singh | Deptt. of Vegetable Science, CSAUA&T, Kanpur | 2016 |   **BOOK CHAPTER:**  **1.** Enriched Potato for Mitigating Hidden Hunger (2016). **Rajiv** and P.G. Kawar.In: Biofortification of Food Crops (Ummed Singh et al, Eds.), Springer India. pp 433-457. DOI: 10.1007/978-81-322-2716-8\_32, Print ISBN: 978-81-322-2714-4 & Online ISBN: 978-81-322-2716-8. | |
|  | Technical Bulletins published | |  |  |  |  |  | | --- | --- | --- | --- | --- | | **S.N.** | **Title** | **Authors** | **Publisher** | **Year** | | 1. | Agro-techniques of Potato  (12+iv pp) | **Rajiv** and D.P. Singh | Directorate of Research, CSAUA&T, Kanpur | 2017 | | 2. | Agro-techniques of Vegetable pea (12+iv pp) | **Rajiv** and D.P. Singh | Directorate of Research, CSAUA&T, Kanpur | 2017 | | |
|  | List of ten best papers published in National journals ( > 5 NAAS rating journals) during last 10 years | Title /Volume/Year  Authors  Name of Journal  NAAS Rating | |
|  | List of ten best papers published in National journals ( > 3 NAAS rating journals) during last 10 years | **1. Rajiv** and Singh, Lakhan (**2014**).Performance of pulses demonstrations in Bundelkhand zone of Uttar Pradesh, India. *Indian Journal of Applied Research*. **4**(03):01-03. (Impact Factor – 0.8215)  **2**. **Rajiv** (**2014**). Impact of improved technologies on productivity and profitability of vegetables on farmers fields in Hamirpur district, Bundelkhand tract of Uttar Pradesh. *Indian Journal of Applied Research*. **4**(07):46-48. (Impact Factor – 2.1652) | |
|  | List of ten best Publications in International Journals during last 10 years ( ISI Impact factor) | **1. Rajiv** and Dabas, M.R. (**2011**). Performance of improved technologies on yield and economics of sesame (*Sesamum indicum*) in front line demonstration of Firozabad district in Uttar Pradesh. *Internat.J.agric.Sci*., **7**(2) :370-372. (NAAS Score – 3.6)  **2.** Dabbas, M.R., **Rajiv**, Prakash, H.G. and Pallavi (**2012**). Integrated management of fusarium wilt of brinjal. *Internat.J.agric.Sci*., **8**(1) : 111-113. (NAAS Score – 3.6)  **3. Rajiv** and Rathi, P.K. (**2012**). Impact of improved technologies on the productivity and economics of sesame (*Sesamum indicum*) at farmer’s field in Fatehpur district of Uttar Pradesh. *Internat.J.agric.Sci*., **8**(1) : 147-149. (NAAS Score – 3.6)  **4. Rajiv** and Dabbas, M.R. (**2012**). Comparison of conventional practice and SRI method of hybrid rice cultivation on farmer’s fields in central plain zone of Uttar Pradesh. *Internat.J.agric.Sci*., **8**(1) : 228-231. (NAAS Score – 3.6)  **5. Rajiv**, Singh, D.P. and Prakash, H.G. (**2012**). Response of sesame (*Sesamum indicum L.*) varieties to sulphur and potassium application under rainfed condition. *Internat.J.agric.Sci*., **8**(2) : 476-478. (NAAS Score – 3.6)  **6. Rajiv**, Prakash, H.G. and Singh, D.P. (**2012**). Yield and economics of rice (*Oryza sativa*) genotypes in system of rice intensification (SRI) under central Uttar Pradesh condition. *Internat.J.agric.Sci*., **8**(2) : 491-493. (NAAS Score – 3.6)  **7. Rajiv**, Prakash, H.G. and Singh, D.P. (**2013**). Impact of improved technologies on the productivity and profitability of pulses, oilseeds and wheat at farmer’s fields in Hamirpur district of Bundelkhand zone in Uttar Pradesh. *Internat.J.agric.Sci*., **9**(2) : 761-764. (NAAS Score – 3.6)  **8.** **Rajiv (2014).** Impact of dissemination and diffusion of conservation agronomical practices on area expansion in Hamirpur district of Bundelkhand. *Internat.J.agric.Sci*., **10**(1) : 221-224. (NAAS Score – 3.6)  **9.** **Rajiv** and Prakash, H.G. **(2014)**. Productivity and profitability of potato (*Solanum tuberosum* L.)-based cropping systems in Central plain zone of Uttar Pradesh. *Current Advances in Agricultural Sciences (An International Journal)* **6**(2): 154-157. (NAAS Score – 3.96)  **10. Rajiv** and Singh, K.P. **(2016)**. Performance of spices in dry land eco-system. *Res. Environ. Life Sci*., **9**(2): 176-178.(NAAS Score – 4.09) | |
|  | Membership of the Professional Societies | **1.** Annuals of Agriculture Research, Division of Agronomy, IARI, New Delhi  **2.** International Journal of Agricultural Sciences, Hind Agricultural Research and Training Institute, Muzaffar Nagar (U.P.).  **3.** Current Advances in Agricultural Sciences (An international journal), The Society of Agricultural professionals, C.S.A.U.A. & T., Kanpur  **4.** Indian Journal of Agronomy, Division of Agronomy, IARI, New Delhi | |
|  | Refresher Courses, Summer/Winter School & Short Courses attended in the last 10 years  ( Name/Place/Year) | |  |  |  | | --- | --- | --- | | **Title/Name** | **Period** | **Place** | | Package & Practices of Urd and Moong | 15.03.05 to 22.03.05 | CSAUA&T, Kanpur | | **New Dimensions in Extension Management** | 06.09.05 to 26.09.05 | JNKVV, Jabalpur (M.P) | | Management of Training Programme | 02.08.06 to 08.08.06 | CSAUA&T, Kanpur | | **Crop Diversification through Pulses for Sustainable Crop Production** | 10.08.06 to 30.08.06 | ICAR, IIPR, Kanpur | | Production Technology of Rabi Pulses | 18.11.08 to 25.11.08 | ICAR, IIPR, Kanpur | | **Improving Land, Water and Energy Production through Cropping System Management** | 28.01.09 to 17.02.09 | ICAR, PDCSR, Modipuram, Meerut | | Three-day training programme on Finance Management | 14.07.11 to 16.07.11 | Training and Research Institute for Finance Management U.P., Lucknow | | Integrated Development of Tree Borne Oilseed in wasteland/ degraded land | 29.11.12 to 30.11.12 | CSAUA&T, Kanpur | | **Advances in quality potato production and post harvest management** | 16.07.13 to 05.08.13 | ICAR, C.P.R.I., Shimla | | |
|  | Conference/Seminar/Symposium attended in the last 10 years  ( Name/Place/Year) | |  |  |  | | --- | --- | --- | | **Title/Name** | **Duration** | **Place** | | National workshop on spices & Aromatic Plants | 15.03.08 to 16.03.08 | A.S. College, Lakhaoti | | National seminar on Emerging challenges in Harnessing Plant Bio-diversity Marketing and Export Potential of Medicinal and Aromatic Plants | 28.01.08 to 30.01.08 | CSAUA&T, Kanpur | | National seminar on Management of Medicinal and Aromatic Plants in Farming systems Perspective | 20.03.07 to 22-03.07 | CSAUA&T, Kanpur | | Zonal workshop of KVKs | 08.11.08 to 10.11.08 | ZCU, Zone-IV, Kanpur | | Midterm review cum action plan workshop | 12.05.08 to 14.05.08 | ZCU, Zone-IV, Kanpur | | National Workshop cum Training Programme on Spices and Aromatic Plants. | 16.01.09 to 17.01.09 | Division of Agronomy, I.A.R.I, New Delhi | | Orientation Workshop on Sustainable Rural Livelihood Security | 08.12.2008 | CSAUA&T, Kanpur | | Review cum action plan workshop | 23.06.09 to 27.06.09 | DASP, P.C.U., Lucknow | | National Seminar on Spices and Herbs | 11.04.2010 | NNS, Media group, New Delhi | | 30th group meeting of AICRP on Potato | 23.09.12 to 25.09.12 | OUAT, Bhubaneswar | | 31th group meeting of AICRP on Potato | 20.09.13 to 22.09.13 | C.P.R.S., Patna | | 2nd U.P. Agricultural Science Congress on Technological and Governance strategies for Advancement of Agricultural Education, Research and Extension in U.P. | 14.06.14 to 16.06.14 | ICAR, IISR, Lucknow | | State level farmers workshop on Advance Technologies of Vegetables Production and Post Harvest Management. | 06.09.14 to 07.09.14 | NHRDF at Aung Fatehpur | | 32nd  group meeting of AICRP on Potato | 20.09.14 to 22.09.14 | UAS, Dharwad (Karnataka) | | National seminar on “Post harvest management and processing of potato for increasing food security in India” | 22.09.14 | UAS, Dharwad (Karnataka) | | National workshop on “Women empowerment during XIIth five year plan through agricultural mechanization” | 24.12.14 to 25.12.14 | CSAUA&T, Kanpur | | 6th group meeting of AINRPOG | 06.02.15 to  07.02.15 | Davangere (Karnataka) | | 33rd group meeting of AICRP on Vegetable crops | 21.05.15 to  24.05.15 | ICAR, IIVR, Varanasi | | National seminar on Vegetable Legumes for Soil and Human Health | 12.02.16 to  14.02.16 | ICAR, IIVR, Varanasi | | 34th group meeting of AICRP on Vegetable crops | 10.05.16 to  13.05.16 | IARI, New Delhi | | |
|  | Conference/Seminar/Symposium organized as President/Co-ordinator/Secretary  ( Name/Place/Year) | NA | |
|  | Foreign countries visited | Country Year Purpose  1.  2.  3.  4.  5. | |
|  | Training Organized in the last 5 years | **(A). Entrepreneur training organized as Organizing Secretary:**   |  |  |  |  | | --- | --- | --- | --- | | **Title of Training** | **Period** | **No. of days** | **Organizing Institution** | | Post Harvest and Total Quality Management | 28-29 Nov., 2009 | 02 | ATMA, DASP, Hamirpur | | Post Harvest and Total Quality Management | 17-18 Dec., 2010 | 02 | ATMA, DASP, Hamirpur |     **(B). Organized as Course In-charge as per norms of University/ I.C.A.R./ World Bank/R.K.V.Y. :**  Numerous training of different courses for Practicing Farmer, Rural Youth, Farm Women and Extension Functionaries were organised. | |
|  | Training attended in the last 5 years | NA | |
|  | Externally funded projects handled ( Title/Agency/duration/Amount) | Externally funded Ad-hoc Projects handled as Principal Investigator as given below:   |  |  |  |  | | --- | --- | --- | --- | | **Title/Name** | **Funding Agency** | **Duration** | **Amount** | | FLD on Sesame crop in south-western semi-arid zone of U.P. | ICAR, AICRP on Sesame & Niger | 2006-07 | 00.30 lakhs | | Establishment of Potato Research Centre at Kalyanpur, Kanpur | Rastriya Krishi Vikas Yojana | 2015-17 | 95.00 lakhs | | |
|  | Externally funded Efficacy testing handled (Title/Agency/duration/Amount) | Externally funded Efficacy testing handled as Associated Scientist as given below:   |  |  |  |  | | --- | --- | --- | --- | | **Title/Name of efficacy testing** | **Agency** | **Year** | **Amount** | | Performance of Okra hybrids developed by Dhisha Crop Technologies, Bangalore | Dhisha Crop Technologies, Bangalore | 2013-14, 2014-15 | 05.00 lakhs | | Performance of Tomato hybrids developed by Dhisha Crop Technologies, Bangalore | Dhisha Crop Technologies, Bangalore | 2013-14, 2014-15 | | Impact of Repol Polypropylene non-woven fabric cover on winter Tomato | Reliance Industries Limited (RIL) | 2012-13, 2013-14, 2014-15 | 03.75 lakhs | | The effect of Repol Polypropylene non-woven fabric cover on Okra | Reliance Industries Limited (RIL) | 2015-16 | 03.75 lakhs | | The effect of Repol Polypropylene non-woven fabric cover on Brinjal | Reliance Industries Limited (RIL) | 2015-16 | | Study the effect of Repol Polypropylene non-woven fabric cover on Capsicum, Cabbage, Tomato & Chilli nursery | Reliance Industries Limited (RIL) | 2015-16 | | Field test for plant growth regulator on Maize production | GMX Soil Pro Max Pvt. Ltd. | 2015-16 | 03.00 lakhs | | Field test for plant growth regulator on Okra production | GMX Soil Pro Max Pvt. Ltd. | 2015-16 | | |
|  | List of Current research projects | |  |  |  |  | | --- | --- | --- | --- | | **Name** | **Funding Agency** | **Year** | **Amount** | | Efficacy testing on Evaluation of SR 305 against Early & Late Blight in Potato | SDS Ramcides Crop Science Pvt. Ltd. | 2016-18 (Two years) | 03.50 lakhs | | |
|  | Patents held | Title/ Year NA | |
|  | Varieties/ Technologies Developed in the last 10 years | **The five Technologies are developed as given below:**    **1.** Black gram-potato-green gram crop sequence in recommended for high yield as well as returns in Kanpur region of central part of Uttar Pradesh (31st AICRP-Potato group meeting held at CPRS, Patna during 20-22 September, 2013).  **2.** The maximum pod yield (69.68 q/ha) with C:B ratio (1.97) was registered with the application of Vermicompost @ 5 t/ha + VAM + Pseudomonas + *Tricoderma* + *Azotobactor* in organic farming trial on cowpea. Hence, this treatment is recommended for organic cultivation of cowpea under Kalyanpur condition (33rd Group Meeting of AICRP on Veg. Crops held at IIVR, Varanasi during 21-24 May, 2015).  **3.** At Kalyanpur, application of Vermicompost @2.5 t/ha + half recommended NPK through chemical fertilizers recorded significantly higher green pod yield (83.56 q/ha) of garden pea with B:C ratio of 3.07. Hence, it is recommended for cultivation under Agro-climatic Zone- IV (34th Group Meeting of AICRP (Veg. Crops) held at IARI, New Delhi during 10-13 May, 2016).  **4.** At Kalyanpur, the maximum fruit yield as well as net return was recorded in cropping sequence of okra (77.67 q/ha with C:B ratio 1: 2.52), tomato (227.40 q/ha with C:B ratio 1: 2.58) and cowpea (69.54 q/ha with C:B ratio of 1: 2.30) with the application of Vermicompost @ 5 t/ha + VAM + *Pseudomonas* + *Trichoderma* + *Azaotobactor*. Hence, for the above cropping sequence these organic inputs are recommended for the Agro-climatic Zone- IV (34th Group Meeting of AICRP (Veg. Crops) held at IARI, New Delhi during 10-13 May, 2016).  **5.** At Kalyanpur, the maximum green leaves yield of Amaranths (172.63 q/ha) along with benefit cost ratio 2.86 was noticed with the application of Vermicompost @ 5 t/ha + PSB + *Azospirillum* @ 5 kg/ha each. Hence, it is recommended for amaranth production under Agro-climatic Zone- IV (34th Group Meeting of AICRP on Veg. Crops held at IARI, New Delhi during 10-13 May, 2016). | |
|  | Significant contributions in the area of specialization ( not more than 5 | **1.** Innovation of mustard cv. Urvashi for early season sowing in SWSAZ of U.P. under thermal condition.  **2.** Introduction of summer groundnut after potato crop in SWSAZ of U.P.  **3.** Innovation of SRI technology of rice cultivation in central plain zone of U.P.  **4.** Establishment of Vermi and Nadep compost production units for promotion of organic farming.  **5.** Innovation of tomato crop cultivation in riverbed of Betawa and its marketing through FIGs. | |
|  | Participation in the college/university building activities | 1. Participation as an expert in TOT & skill development programmes and training/goshthi organized by the university.  2. Participation as a member of organisation committee in the university convocation programme.  3. Involvement in Examinations and Entrance Examinations organized by the university.  4. Participation in the review meetings time to time.  5. Involved as a member and convener in different organisation committee of the seminars, workshops, group meet etc. organized by the university. | |
|  | Resource Generated during last 5 years | |  |  |  | | --- | --- | --- | | **Years** | **Amount (in Lakh)** | **Scheme** | | 2012-13 | 01.25 | Efficacy testing | | 2013-14 | 03.75 | Efficacy testing | | 2014-15 | 50.75 | RKVY Potato & Efficacy testing | | 2015-16 | 54.75 | RKVY Potato & Efficacy testing | | 2016-17 | 03.50 | Efficacy testing | | |
|  | Any other significant academic/research achievement | **SIGNIFICANT ACHIEVEMENTS IN VARIOUS FIELDS ARE AS GIVEN BELOW:**  **(A). Monitoring of Project and experiences of Administration & Project Management:**  **(ii)** I did worked as **District Project Coordinator** on deputation during 14.05.2003 to 06.08.2004 in U.P. Diversified Agriculture Support Project under Govt. of U.P. (A World Bank aided Project).  **(ii)** I did worked as **District Project Coordinator** on deputation during 05.06.2009 to 23.07.2012 in U.P. Diversified Agriculture Support Project under Govt. of U.P. (RKVY aided Project).  **(B). Establishment of the Income Generating Units (I.G.U.) for self-employment:**  46 Goat units, 10 Pig units, 30 Poultry units, 33 Back Yard units, 10 UMBS units, 6 Mushroom units, 21 Micro-Enterprises units, 14 Private Nursery and 29 Paravet Centre were established during the period of deputation (2009 to 2012).  **(C). Achievement in the area of Participatory Management Approach and build up of Farmer-Led-Extension mechanism:**  336 Self Help Group/ F.I.G./Farmer Association/Farmer Field School/ Federation were formed and linked them with economic activity during the period of deputation (2009 to 2012).  **(D). Establishment of the Organic Manures Production Units for promotion of the organic cultivation:**  797 NADAP Compost units, 742 Vermi Compost units, 286 C.P.P. Compost units were established during the period of deputation (2009 to 2012).  **(E). Demonstrations/Trials conducted:**  After thorough analysis of the existing farming system, operational constraints and techno-economic problems of the farming communities, conducted various (>5500) demonstration/trial with the object of educate and trainedto the framers about latest technologies under their own management system.    **(F). Transfer of technology:**  Actively engaged in transfer of technology programmes and farm advisory services like Farmers Fair & Agriculture Exhibition, Seed production, Field days, Exposure visit, Sight Seeing , Group discussion, Environment Camp, Farmers-Scientist interface, De-worming/Sterility/Health camp and Participation as an expert/ subject specialist in Training, Ghoshthi, Conference, Field day, Seminar etc. at various level organized by line department & other agencies. | |
|  | Radio Talks broadcast and T.V. shows telecast | **1.** Two Radio Talks broadcasted from All India Radio, Agra under *Gramyalok* programme.  **2.** Three T.V. shows telecasted from Doordarshan Kendra, Lucknow under *Krishi Darshan* programme.  **3.** One T.V. show telecasted from DD National, New Delhi under *Krishi Darshan* programme.  **4.** Twenty eight T.V. shows telecasted from *E.TV*. Hyderabad under *Anndata* programme. | |
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