

CURRICULUM VITAE

- 1. Name** : **Professor (Dr.) Har Gyan Prakash**
2. Designation : Director Agriculture Experiment Station
(Director Research)
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4. Date of Birth : 18.02.1962

5. Academic Qualification:

Examination Passed	Institute/University	year	Subject
M.Sc. Ag	GB Pant University of Agri.& Technology, Pantnagar	1984	Animal Nutrition, Biochemistry
Ph.D.	IVRI, Izatnagar, Bareilly	1990	Animal Nutrition Biochemistry

6. Working Experience

Post Hold	Pay Scale (Rs)	Experience	
		From	To
Assistant Professor	8000-13500	17.09.1987	16.09.1996
Assistant Professor (SG)	12000-18300	17.09.1996	26.08.2000
Associate Professor	12000-18300	27.08.2000	16.09.2006
Professor	16400-224000	17.09.2006	06.06.2007
Professor /Joint Director Research	37400-67500 (GPA 10000)	07.06.2007	17.02.2016
Professor /Director Research	37400-67500 (GPA 10000)	18.02.2016	Till date

7. Administrative Experience

Post Hold	Place/Institute	Experience		Responsibilities'
		From	To	
Officer Incharge	Regional Research Station Hazratpur (Firozabad)	01.09.2000	07.06.2007	Administrative, financial and coordination of research programmes at regional level
Joint Director Research	CS Azad University of Agriculture & Technology, Kanpur	07.06.2007	17.02.2016	Administrative, financial and coordination of research programmes at University level
Director Research	CS Azad University of Agriculture & Technology, Kanpur	18.02.2016	Till date	Administrative, financial and coordination of research programmes at University level and developing linkages with National & International level Institution for strengthening R&D programme of the University

8. Duties serving as:

- Coordination, monitoring and execution of research programmes across the faculties.
- Sensitization of faculty members for preparation and submission of adhoc projects.
- Monitoring of physical and financial progress of Non-Plan Scheme, AICRPs (Plan Schemes) and adhoc projects.
- Resource generation.
- Organizing seminars/ Annual Group Meetings/ Workshops/ Webinars/ National-International Trainings
- Participation in review meetings organized by UPCAR, RKVY, NFSM, Department of Agriculture CST, DST, DAC, ICAR etc.
- Participation in State Level Sanctioning Committee Meetings Chaired by APC and Chief Secretary, Govt of UP.
- Active participation in projects reviews meetings organized by UPCAR, RKVY, ICAR, CST, DST, DBT etc.
- Contribution in establishing the linkages with National and International organization.
- Sensitization of project incharges for preparation of Annual Reports.
- Publication of Annual Reports of University.
- Contribution in preparation of Reports for Hon'ble Board of Management, Govt of U.P., ICAR, UPCAR etc.
- Worked as Chairman/member in different scientific/study group/council/ boards.
- Worked as member/expert in Selection Committee/Screening Committee in different organizations.

9. Monitoring and Research/Extension/Coordination

S. No.	Particulars	Individual (No.)	Group (No.)
1.	Assistance in project management and coordination	75	
2.	Preparation of review reports/proceedings and other assigned duties (specify)	-	15
3.	Participation in institutional activities	-	50
4.	Innovation in monitoring and coordinate methods	01	-

10. Institutional Projects

S. No	Name of Project	Position
1	Identification and chemical evaluation of goat feed existing in ravines and wasteland of district Firozabad.	Principal Investigator
2.	Characterization of productive traits of barbari goat under different feeding systems.	Principal Investigator
4	Characterization of productive traits of jamunapari goat under different feeding systems.	Principal Investigator
5	Characterization of productive traits of non descript black goat “pari” in ravenous area of district Hardoi.	Principal Investigator
6	Nutritional status of Bhadawari buffaloes under their home-tract.	Principal Investigator
7	Nutritional management of anoestrous buffaloes under different farming system.	Principal Investigator
8	Formulation of feeding modules based on by product of farming system.	Principal Investigator
9.	Utilization of non-conventional feeds viz. babool pod in Barbari goats.	Principal Investigator
10	Formulation of economic ration by incorporation of red gram straw with crushed barley grains.	Principal Investigator
11	Intensive nutrients production under different plot techniques.	Principal Investigator
12	Evaluation of different varieties of berseem/ sorghum hybrid forage in semi arid eco-system.	Principal Investigator

11. Externally funded Projects

Title	Duration	Year	PI/ Co-PI	Funding agency Name	Amount (Lakh)
NAHEP-Centre for Advanced Agricultural Science and Technology on Nutritional Crops	03 years	2018	PI	ICAR, New Delhi	1980.00
Strengthening of <i>rabi</i> cereals for development of high yielding wheat & barely varieties and their agro-technique	02 years	2018	PI	RKVY, Govt of UP	163.30
Centre of Excellence on wheat	05 years	2018	PI	Govt of UP	697.00
Strengthening of vegetable research station	02 years	2018	Nodal Officer	RKVY, Govt of UP	180.00
Diversification and intensification of farming systems for sustainable production and livelihood security of farm families.	03 years	2008-10	PI	DAC Govt of India	41.00
Centre of Excellence on vegetables	05 years	2018	Co-PI	Govt of UP	699 .00
Establishment and popularization of improved varieties/hybrids of vegetable and their agro-techniques to enhance vegetable production in U.P.	01 year	2017	Co-PI	RKVY, Govt of UP	63.00
Organic farming of technology dissemination	Continue	2016	Co-PI	RKVY,	132 .00

and diffusion on vegetable growers fields				Govt of UP	
Production of quality chicks from parental stock to enhance the poultry production in Uttar Pradesh.	03 years	2009	Co-PI	RKVY, Govt of UP	200.00
Participatory vegetable quality seed production to enhance vegetable seed production in UP	Continue	2009	Co-PI	RKVY, Govt of UP	176.30

12. Implementable Technology Generated:

- Barbari female kids attain early age at first puberty, early age at first kidding, less dry period, less kidding interval, longer lactation length and more milk yield under intensive feeding system.
- Jamunapari female kids attain early age at first puberty, early age at first kidding, less dry period, less kidding interval, longer lactation length and more milk yield under semi-intensive feeding system.
- Female kids of Barbari breed grow faster (63g/d) when supplemented with 150g crushed barley grain in the basal ration of red gram straw.
- Nutrients required by Barbari goats for maintenance and growth (50 to 60 gram per day) can be managed under *Lucerne + Oat-Sorghum (Hyb)* forage system.
- Non-clinical anestrus problem of buffaloes managed by feeding of mineral mixture (50 g/day) alongwith diet as per requirement.
- 8 kg dry straw of wheat/barley plus 10 kg quality forage plus 3.0 kg concentrate with 50 g mineral mixture may be recommended for 8 l milk production per day under wheat/barley-paddy based farming system.
- 8 kg dry stovers of pearl-millet/maize plus 15 kg quality forage plus 3.0 kg concentrate with 50 g mineral mixture may be recommended for 8 l milk production per day under bajra/maize-wheat/barley based farming system.
- 2.0 kg straw plus 45 kg quality fodder plus 2 kg concentrate with 50g mineral mixture may be recommended for 8 l milk production in forage based farming system.
- Female kid of Barbari goat grow faster (60 g/d) and showed early sign of maturity when supplemented with 1.5 % of body weight babool pods.
- Higher nutrients (DCP and TDN) production may be achieved under three plot techniques.

13. Organization of Seminars/Conference/Annual Workshop/ Webinars/ Trainings

S. No.	Date	Event Name	Remarks
1.	March 20-22, 2007	National Seminar on "Management of Medicinal and Aromatic Plants in Farming Systems Perspective"	Co Organizing Secretary
2.	January 28-30, 2008	National Seminar on Emerging Challenge in Harnessing Plant Bio-diversity, Marketing and Export Potential of Medicinal and Aromatic Plants in India	Co Organizing Secretary
3.	September 1-4, 2013	52 nd All India Wheat & Barley research Workers' Meet	Convener
4.	March 2-4, 2016	4 th Uttar Pradesh Science Congress	Convener
5.	March 24-25,	National conference on "Farmers' Centric Agri- Innovation for	Convener

	2017	Sustainable Development	
6.	December 12-3, 2017	National Conference on Organic Farming For Sustainable Agriculture and Livelihood Security Under Changing Climate Conditions'	Convener
7.	February 14-17, 2018	International Conference on "Sustainability of Small Holder Agriculture in Developing Country Under Changing Climatic Scenario"	Convener
8.	May 30, 2018	Annual Workshop of National "Initiative on Climate Resilient Agriculture"	Convener
9.	March 6-8, 2019	National Conclave on "Empowering Rural Women Through Agri-preneurship and Innovative Farm Technologies"	Convener
10.	February 1-3, 2019	4 th Brassica conference on "Innovative approaches in Oilseed Brassica towards self sufficiency"	Convener
11.	February 21, 2019	Brain storming session on " <i>Bio-fortification towards food security-2019</i> "	Course Director
12.	25 February, 2019	Brain storming session on advances in " <i>Organic farming of vegetables under protected conditions</i> "	Course Director
13.	18-19 February, 2019	National training on " <i>Advances in seed production and seed quality management of nutritional crops</i> "	Course Director
14.	20-21 February, 2019	National training on " <i>Recent advances in protected cultivation of vegetables</i> "	Course Director
15.	5-6 March, 2019	National training on " <i>Recent trends on value addition of vegetable</i> "	Course Director
16.	9-10 March, 2019	National training on " <i>Innovations in seed production and seed quality management of nutritional crops</i> "	Course Director
17.	13-14 March, 2019	National training on " <i>Recent advances in post harvest processing of pulses and vegetables</i> "	Course Director
18.	16-17 March, 2019	National training on " <i>Advance technology of food processing</i> "	Course Director
19.	March 12-18, 2019	Short Course on " <i>Protected cultivation of vegetable crops</i> "	Course Director
20.	16 August, 2019	Brainstorming session on " <i>Enhancing Nutritional and Economic value of Agri- produce</i> "	Course Director
21.	24 September, 2019	Brainstorming session training was organized on "Organic Cultivation of Vegetable Crops under Protected Conditions"	Course Director
22.	26 November, 2019	Brainstorming session on advances in " <i>Hi- Tech Nursery Raising Technology for Vegetables</i> "	Course Director
23.	27 November, 2019	Brainstorming session on advances in " <i>Recent Advances in Protected Cultivation of Vegetable Crop</i> "	Course Director
24.	5 March, 2020	Brainstorming session on " <i>innovation in plant breeding for sustainable agriculture</i> "	Course Director
24.	23 January, 2020	Brainstorming session on advances in " <i>Entrepreneurship Development for quality seed production of Nutritional Crops</i> "	Course Director
25.	13 March, 2019	Brainstorming session on " <i>Emerging Technologies for Food Preservation and Safety</i> "	Course Director
26.	8-29 July, 2019	Short Course on " <i>Recent Advances in Functional and Nutraceuticals for Future Foods</i> "	Course Director

27.	22-23 June, 2020	National virtual Training on “Recent technological interventions for seed production and seed quality enhancement on nutritional crops”	Course Director
28.	July 06-10, 2020	National virtual Training on “Nutritional security and Health through value addition of vegetables & Pulses”	Course Director
29.	16-20 July, 2020	National virtual Training “Soft Skill Development in Application of Basics of Remote Sensing & GIS in Nutritional Crops”	Course Director
30.	August 24-28, 2020	National virtual Training “Quality Seed Production of Vegetable Crops under Protected Cultivation”	Course Director
31.	August 25-29, 2020	National virtual Training “Scaling up Of Knowledge Domain and Entrepreneurial Skill Development of PG Students And Budding Scientist for Quality Seed Production and Seed Quality Enhancement”	Course Director
32.	September 7-13, 2020	National virtual Training on “Recent technologies of food packaging”	Course Director
33.	May 06-08, 2020	National Webcon on “Agricultural Production & Support System Managing COVID-19 Pandemic : Experience sharing & Strategies”	Co-chairman
34.	May 30, 2020	National Webinar on “Genome editing & marker-Assistant selection for precision plant breeding”	Chairman
35.	June 05, 2020	National Webinar on “Climate change and Agro-forestry impact implication & strategies”	Chairman
36.	June 23, 2020	National Webinar on “Protected cultivation of vegetable crops: challenges and opportunities”	Chairman
37.	6 June, 2020 One Day	National Webinar on “Technological and policy intervention in Enhancing pulse production in India”	Chairman
38.	June 16, 2020	National webinar on “changing the future with communication skills”	Chairman
39.	October 7, 2020	National webinar on “New Education policy-2020”	Chairman
40.	September 25-26, 2020	National virtual Training on “Communication skills development for seed entrepreneurship”	Course Director
41.	October 16-29, 2020	International e training on “ Neglected and underutilized crops species (NUS) for food and nutritional security during time of uncertainties”	Course Director

14. Extension & Field Outreach Activities:

1. During 2000-01 and 2001-02, I worked as a convener of the trainings Scientist-farmers interaction / technical trainings organized by KGK, Firozabad and SMS Agra
2. Eighteen trainings on watershed management at watershed level in District Firozabad were organized.
3. Thirty Farmer/Scientist Interface, Two Gosthies, Two trainer training programmes were organized in District Kanpur Nagar and Kanpur Dehat under Diversification and intensification of farming systems for sustainable production and livelihood security of farm families programme.
4. Eight Farmer/Scientist Interface, Two trainer training programmes were organized in Production of quality chicks from parental stock to enhance the poultry production in Uttar Pradesh.
5. Ten Farmer/Scientist Interface, Two trainer training programmes were organized under Participatory vegetable quality seed production to enhance vegetable production in UP.
6. Five Framers-Scientist Interaction in Wheat production programme.
7. 665 FLDs on improved cultivars of wheat & barley

8. 150 adopted research trials on Diversification and intensification of farming systems were conducted.
9. 25 adopted research trials on backyard poultry farming were conducted.
10. 70 adopted research trials on participatory vegetable seed production were conducted.
11. Served as convener of Krishak Gosthies in Farmer's Fair organized at University Campus, Kanpur.
12. TV Talk : Seven (Lucknow Doordarshan, Chaupal)

15. International Exposure

S. No	Particular	Event Name	Country Name	Period
1.	Experience of working in internationally important Organization abroad	Exposure visit	Kasetsart University, Bangkok	April 25-27, 2019
2.		Exposure visit	World vegetable Centre, Taiwan	May 8-12, 2019
3.	Paper/poster presentation in international event abroad- Seminar/ Symposium/ conference/ workshop, training/study mission of less than 03 months period	6 th IAPSIT	Thailand	March 07-09, 2018
4.		7 th GSMAP	Thailand	Nov. 19-21, 2018

16. Publications

Research papers in national/international referred journals

1. Biswas, Samir Kr; **Prakesh, H.G.**; Ram Palat and Javed Bahar (2019) Induced synthesis of defense molecules in tomato (solanum lycopersicum l.) against *fusarium wilt* through plant extracts. *Bangladesh J. Bot.*, 48(1): 169-175.
2. Dabas, M.R.; Singh, D.P. and Prakash, H.G. (2011) Efficacy of fungicides on leaf blight of chilli caused by *Cercospora capsici*. *Internat. J. Plant. Sci.*, 6(1):64-66.
3. Dabbas, M. R.; Rajiv; Prakash, H. G. and Pallavi (2012) Integrated management of *Fusarium wilt* of brinjal. *Internat. J. of Agri. Science*, 8(1): 111-113.
4. Dabbas, M.R.; Singh, D.P. and **Prakash, H.G.** (2010) Effect of seed dressing chemicals and bio-agents on seed mycoflora, compatibility and seed germination of tomato. *The Asian J.Hort.*, 5(2)298-300.
5. Dixit, R.K; Kulshrestha, D.C; **Prakash, H.G.** and Singh, D.P. (2005) Residual appearance of organochloride pesticides in cow and buffaloes milk of Kanpur city. *International Journal of Recent Advance in Applied Sciences*, 20: 1&2. 29-33.
6. Husain M.F.; Singh, Vishwajeet; **Prakash, H.G.**; Shamim, Mohd. and Pandey, R.K. (2016) Studies on integrated nutrient management in pearl millet-Indian mustard cropping system. *Res. Environ. Life Sci.*, 9(7) 822-825.

7. Husain, M.F.; **Prakash, H.G.** and Pandey, R.K. (2013) Effect of *azotobacter*, FYM and PSB on productivity in pearl millet and wheat cropping system. *International Journal of Agricultural Sciences*, 9 (2) 773-775.
8. Jagdish Kumar, Misra, Manoj; Arya, K.C. and **Prakash, H.G.** (2019) Effect of different organics and green manure on growth and yield attributes and seed cotton yield in *arboreum* cotton. *Plant Archives*, 19(1):62-64
9. Jagdish Kumar; Ram Asrey; Mishra, Monoj Kumar; Sanjeev Kumar; Hari Ram; Rakesh Babu; Ram Pyare; Arya, K.C.; Srivastava, S.K. and **Prakash, H.G.** (2016) Effect of different varieties and nutrient doses on growth and yield attributes and seed cotton yield in *hirsutum* cotton. *Plant Archives*, 16(2):963-965.
10. Jagdish Kuma; Srivastava, SK; Ram Asrey and **Prakash, H.G.** (2016) Effect of different herbicides on growth and yield attributes and seed cotton yield in *hirsutum* cotton. *Res. on crops*, 17(1):103-105.
11. Khan, Khalil; **Prakash, H.G.**; Singh, D.P; Anil Kumar; Singh, B.P. (2019) Performance of different cultivars of wheat (*triticum aestivum* L). *International Journal of Biological Research*, 9(4):292-94.
12. Khan, Khalil; **Prakash, H.G.**; Singh, D.P; Anil Kumar; Singh, B.P. (2019) Sustainable management of phyco-chemical properties of sodic land through organic amendments. *International Journal of Biological Research*, 9(4): 295-97.
13. Khan, Khalil; Mishra, Manoj; and **Prakash, H.G.** (2020) Varietal response of pearl millet on alluvial soil. Of central Uttar Pradesh. *International Journal of Biological Research*, 10(3):160-162.
14. **Prakash, H.G.** and Khan, M.Y. (2005) Nutrients utilization in growing Murrah buffalo calves feed on wheat straw based rations. *J. Eco physiology*, 8 (1-2). 23-28.
15. **Prakash, H.G.**; Dwivedi, H.B.; Dabas, M.R. and Singh, D.P. (2010) Characterization of productive traits of barbari goat under different feeding systems. *The Asian journal of Animal science*, 4(2):179-181.
16. **Prakash, H.G.**; Dwivedi, H.B.; Singh, D.P. and Dabas, M.R. (2009) Management of browsers in ravenous eco-systems for livelihood security of resource poor farm families. *Asian journal of Environmental science*, 4(2):190-193.
17. **Prakash, H.G.**; Khan, M.Y. and Murari Lal (2000) Metabolizable energy requirements of Murrah buffalo calf fed on wheat straw based rations. *Buffalo Journal*, 1, 89-97.
18. **Prakash, H.G.**; Khan, M.Y. and Singh, D.P. (2003) Nutrient utilization and carcass traits of male Murrah buffalo calves fed on different plane of nutrition. *International Journal of Recent Advance in Applied Sciences*, 18 (1&2): 34-41.
19. **Prakash, H.G.**; Khan, MY and Singh, D.P. (2004) Effect of dietary energy levels on tritiated water space biological half life and water turn over rate in murrah buffalo calves. *International Journal of Recent Advance in Applied Sciences*, 18 (1&2): 23-25.
20. **Prakash, H.G.**; Singh, V.K. and Singh, D. (1990) Performance of Guinea Fowl broilers. *Poultry Guide*, 27, 83-91.

21. Rathore, Mamta Saurabh Tomar, Sarita Satapathy, **H.G.Prakash** , D.P.Singh and Khalil Khan (2020) Biochemical Analysis of Mung Bean (*Vigna radiata L.*) for Nutraceutical Applications. *Pulse research*, 41 (13): 43-47.
22. Rathore, Mamta; Mishra, Pragya; Devi, Suman; Singh, Pooja; Khan, Khalil and **Prakash, H.G.** (2020) Wheat its importance and high quality protein which effect the human health. *SSR IIJLS*, 06 (4) : 2617-2622
23. Rathore, Mamta; Shashi, Bala and **Prakash, H.G.** (2020) Role of NIR in agriculture. *Chemical Science reviews & letters*, 35 (9): 64-69
24. Rathore, Mamta; Tomar, Saurabh; Khalil Khan, **Prakash, H.G.** and Singh, D.P. (2020) Comparative characteristics of Mustard, Groundnut & Sesame oil effect the human life. *Indian Journal of Agricultural Sciences*, 6 (6): 296-301
23. Rathore, Mamta; Shashibala; **H. G. Prakash** and Khalil Khan (2020) Involvement and the role of human in biodiversity. *Planta*, (1):180-184.
25. Singh, D. P.; Rajiv; Jaiswal, V. B., **Prakash, H. G.** and Solomon, S. (2019) Companion Cropping of Vegetables with Ratoon Sugarcane: A Case Study. *Sugar Tech*, DOI 10.1007/s12355-019-00740-X.
26. Singh, D.P, Rajiv, Kumari Meenakshi and **Prakash, H.G.** (2019) Effect of different seed coating on seed quality parameter, leaf emergence and dry matter production of tomato (*Solanum lycopersicom*). *Annals of Agricultural Research*, 40(3): 317-323.
27. Singh, D.P, Rajiv, Kumari Meenakshi and **Prakash, H.G.** (2019) Efficient integrated weed management practices for higher productivity and profitability in vegetable pea (*Pisum sativum* var. *hortense*). *Indian Journal of Agricultural Sciences*, 89 (11): 1937–41.
28. Singh, D.P. and **Prakash, H.G.** (2003) Effect of CPP on quantitative and qualitative yield of potato under alluvial tract of central U.P. *International Journal of Recent Advance in Applied Sciences*, 18: (1&2) 42-44.
29. Singh, D.P. and **Prakash, H.G.** (2005) Effect of different fertility schedule on growth and yield attributes of barley (Cv Preeti). *International Journal of Recent Advance in Applied Sciences*, 20 (1&2): 25-28.
30. Singh, D.P. Meenakshi Kumari, **Prakash, H.G.**; Rao G.P. and Solomon, S. (2019) Phytochemical and Pharmacological importance of Stevia: A Calorie-Free Natural Sweetener. *Sugar Tech*, <https://doi.org/10.1007/s12355-019-00704-1>.
31. Singh, D.P.; Mishra, U.C.; **Prakash, H.G.** and Mishra, Omika (2012). Role of organic farming on yield and economics of bottle gourd after vegetable pea. *Internat. J. Agric. Sci.*, 8 (1): 165-167.
32. Singh, D.P.; **Prakash H.G.**; Dabbas, M.R. and Singh, R.A. (2011) Response of vegetable pea (*Pisum sativum*) cultivars on riverine soils of U.P. *The Asian J.Hort.*, 6 (1) : 259-260.
33. Singh, D.P.; **Prakash, H.G.** and Singh, R.A. (2003) Effect of chemical and bio fertilizers with growth regulator on yield and economic of pea (*Pisum sativum*) and their residual effect on soil. *International Journal of Recent Advance in Applied Sciences*, 18: (1&2) 45-47.
34. Singh, D.P.; **Prakash, H.G.** and Singh, R.A. (2004) Adoption of watershed management technology in district Firozabad. *International Journal of Recent Advance in Applied Sciences*, 19 (1&2): 15-17.

35. Singh, D.P.; **Prakash, H.G.** and Singh, R.A. (2005) Response of phosphorus and cycocel with and without Rhizobium inoculation on green pod production of pea. *Indian Journal of Pulses research*, 18 (1): 43-45.
36. Singh, D.P.; Rajiv; Meenakshi Kumari and **Prakash, H.G.** (2019) Efficient integrated weed management practices for higher productivity and profitability in vegetable pea (*Pasium sativum* var. *hortense*). *Indian Journal of Agricultural Sciences*, 89 (11): 1937-41.
37. Singh, D.P.; Singh, R.A.; **Prakash, H.G.** and Haider Ekhlaiq (2010) Filler cropping of guava and summer green gram during lean period. *The Asian J. Hort.*, 5 (2): 321-322.
38. Singh, D.P.; Rajiv; Jaiswal, V.B.; **Prakash, H.G.** and Solomon, S. (2019). Companion cropping of vegetables with ratoon sugarcane: A case study. *Sugar tech*, 22: 28–31.
39. Singh, R.A.; Singh, D.P. and **Prakash, H.G.** (2007) Green fodder production with organic amendment under agri -horti system for quality milk. *Range Management and Agro-forestry*, 28(2): 409-410.
40. Sumit Kumar; Biswas, S.K. and **Prakesh, H.G.** (2018) Integrated disease management approaches for control of late blight of potato and enhancing the growth of potato. *Journal of Biological Control*, 32(4): 264-269 DOI: 0.18311/jbc/2018/17890.
41. Surender Kumar; Biswas, S.K.; Prakash, Har Gyan and Singh, Devendra Pratap (2020) Evaluation of inducers in systemic acquired resistance for management of brinjal phomosis blight. *Plant Pathology J.*, 19:54-65 (DOI: 10.3923/ppj.2020.54.65)
42. Rastogi, Shubhra, Satpathy, Sarita, Shah, Saumya, Mytra and **Prakash, H.G.** (2020) In silico identification of cytochrome P450s involved in *Ocimum tenuiflorum* subjected to four abiotic stresses. *Gene Reports*, 20(20200:100781.

Dissertation

1. Prakash, H.G. (1984). The Effect of Treating coarse roughages with combinations of lime & urea on their nutritive value. M.Sc. Ag. Thesis Submitted to G.B. Pant University of Agriculture & Technology, Pantnagar, India. PP114.
2. Prakash, H.G. (1990). Energy balance studies in male Murrah buffalo calves. Ph.D Thesis Submitted to IVRI (Deemed University), Izatnagar, Bareilly, pp 261.

Conference Papers

1. Beg, I; Singh, D.P. and **Prakash, H.G.** (2008). Growth and oil yield of german chamomile (*Matricaria chamomilla* Linn.) cv soraksor as effected by the application of bio fertilizer (Azoto bacter and PSB) and zinc. Proc. *Current Trends of Research and Extension on Medicinal and Aromatic Plants in India*. 71-74.
2. Dabbas, M.R., Singh, D.P. and **Prakash, H.G.** (2008) Assessment of losses in yield of onion bulb due to purple ploch diseases and its management through IDM practices. In Proc: *National Seminar on Emerging Challenge in Harnessing Plant Bio-diversity, Marketing and Export Potential of Medicinal and Aromatic Plants in India* held at CSAUA&T, Kanpur. January 28-30 : pp 84-86.
3. **Prakash, H.G.** and Singh, D.P. (2003) Utilization of ravines and wasteland for Jamunapari goat in UP. In Proc: *National seminar on Forest Resource Management held at CSAUA&T, Kanpur*. Nov 15 –17, 2003: pp 180-187.

4. **Prakash, H.G.** Singh, D.P. and Singh, D. (1998). Utilization of ravinous wasteland for sustainable goat production. *Wasteland development: Challenges and Opportunities*. 254-259.
5. **Prakash, H.G.**, Katiyar, R.P., and Singh, D.P. (2008). Emerging opportunities in medicinal plants for poultry industries. In: *Emerging Challenges in Harnessing Plant Biodiversity, Marketing and Export Potential of Medicinal and Aromatic Plants* held at CSAUA&T, Kanpur. January 28-30. pp 101-106.
6. **Prakash, H.G.**, Pandey, R.K. and Singh, D.P. (2017), Prospects and Problems of Organic farming in Uttar Pradesh. In *National Conference on Organic Farming for Sustainable Agriculture and Livelihood Security under Changing Climatic Conditions*. CSAUA&T, Kanpur. 12-13 December, 2017. 66-75.
7. **Prakash, H.G.**, Singh, D.P. and Rajiv Kumar (2008) Emerging opportunities of herbal anthelminthes in dairy farming. In Proc: *National Seminar on Harnessing Plant Biodiversity, Marketing and Export Potential of Medicinal and Aromatic Plants in India* held at CSAUA&T, Kanpur. January 28-30 : pp 31-34.
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Books/Book Chapters/Proceedings

Books/Booklets

1. Dr Ashok Kumar, Dr Indu Sharma, Dr LP Tiwari, **Dr HG Prakash**, Dr NB Singh, Dr DP Singh, Dr RK Pandey, Dr PKL Gupta, Dr RK Sharma, Dr Gyandera Singh, Dr Arun Gupta and Dr RS Chhokar (2013) Souvenir 52nd All India Wheat & Barley research Workers' Meet September 1-4, 2013. *Army Printing Press, Cantt Sadar Lucknow for C.S.A. University of Agriculture & Technology, Kanpur.*

2. Dr Ashok Kumar, Dr LP Tiwari, Dr MP Yadav, Dr Rajendra Singh, Dr Sameer Pal, Dr Poonum Singh, **Dr HG Prakash**, Dr NB Singh, Dr DP Singh, Dr RK Pandey, Dr PKL Gupta, and Dr Javed Bahar (2013) Highlights of Wheat & Barley Research. *Army Printing Press, Cantt Sadar Lucknow for C.S.A. University of Agriculture & Technology, Kanpur*.
3. Dr D.P. Singh, **Dr H.G. Prakash** and Ikhlak Haider (2010) Aaushadi Evam Sagandhiya Phaudho ka Vyavsaikaran (Hindi). Printed by *Army Printing Press, Lucknow* for Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India.
4. Dr D.P. Singh, **Dr H.G. Prakash** and Ikhlak Haider (2011) Pramukh Mashala Fasalo Ka Utpadan Evam Prasanskarn (Hindi) Printed by *Army Printing Press, Lucknow* for Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India.
5. Dr G.C. Tiwari, Dr L.P. Tewari, Dr Mukesh Srivastava, **Dr H.G. Prakash** (2010) Intellectual Property Management and Technology Transfer Commercialization. *University Printing Press CSAUT, Kanpur*.
6. **Dr H.G. Prakash** and Dr. R.K. Panday (2017) CSAU Vision 2030. *University Printing Press CSAUT, Kanpur*.
7. Dr Madan Maurya, Dr C.L. Maurya and **Dr H.G. Prakash** (2016) Management of Zinc and sulphur in Wheat. Lambart Academic Publishing.
8. Dr N.B. Singh, **Dr H.G. Prakash**, Dr R.K. Yadav, Dr P.K. Gupta, Dr M. Singh, Dr S.K. Gupta, Dr M. Mohan, Dr D.P. Singh, Dr R.K. Pandey, Dr Mohd. Samim and Dr Manoj Mishra (2015) Atlas Economic Botanists: Cereals, Oilseeds, Legumes and Vegetable. *Published by Abhimanyu Gahlot for C.S.A. University of Agriculture & Technology, Kanpur* (ISBN: 978-81-211-0919-2), pp311.
9. Dr Ram Ashis Yadav, Dr Naushad Khan, **Dr H.G. Prakash**, Dr A.Z. Siddique and Dr Vk Yadav Weed Management Techniques. Printed by Bama Enterprises, Kanpur for CSAUA&T, Kanpur.
10. Dr Samir Pal, **Dr. H.G. Prakash**, Dhoom Singh, Dr. N.B. Singh. Dr. Lallu (2015) Atlas Economic Botanists Education, Research, Extension. *Published by Abhimanyu Gahlot for C.S.A. University of Agriculture & Technology, Kanpur* (ISBN: 978-81-211-0920-8), pp245.
11. Dr V.K. Yadav, Dr Y.P. Sigh, Dr R.A. Yadav, Dr B.N. Tripathi, Dr M.Z. Siddiqui, Dr N. Khan, Dr K. Kumar and **Dr H.G. Prakash** Management of Salt Tolerant Rice in Uttar Pradesh. *University Printing Press, CSAUA&T, Kanpur*.
12. Dr Vijay Kumar Yadav and **Dr H.G. Prakash** (2018) Sugandhit Chawal Upaj Evm Pravandhan (Hindi). *University Printing Press, CSAUA&T, Kanpur*.
13. Dr Vijay Kumar Yadav and **Dr H.G. Prakash** (2018) Sanker Dhan Evam Beej Utpadhan Takneek. *University Printing Press, CSAUA&T, Kanpur*.
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21. Rajiv, Dr D.P. Singh, **Dr H.G. Prakash**, Dr P.K. Rathi and Dr K.P. Singh (2016) Paustik Aloo (Hindi) Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India (ISBN No. 978-81-211-0961-1).
22. Singh, Som Veer; **Prakash, H.G.**; Yadav, R.A; Yadav, V.K; Gupta, P.K; Khan, J.B. and Jitendra Kumar (2018), Wheat Variety : K-1317- Ek Vardan. Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India.
23. Khan, Khalil; Mishra, Manoj; Prakash, H.G. and Singh, D.R. (2021) Padap Poshan Me Jaiv Urvarko Ka Mahatyva. Nikhil Publisher & Distributors Agra. ISBN:978-93-90599-93-6. 112.
24. Sachan, S.P.; Mishra, Manoj; Khan, Khalil; Prakash, H.G. and Singh, D.R. (2021) Beej Utpadan Takniki. Nikhil Publisher & Distributors Agra. ISBN:978-93-90599-94-3. 93.

Book Chapters

1. Beg, Irfan, Singh, D.P. and **Prakash, H.G.** (2008) Growth and oil yield of german chamomile (*Matricaria chamomilla* Linn.) cv. soraksor-60 as affected by the application of bio-fertilizers (Azotobactor and PSB) and zinc. In: Current trends of Research and Extension on Medicinal and Aromatic Plants in India (D.P. Singh et al editors), *Army printing Press: for C.S.A. University of Agriculture & Technology, Kanpur* pp 71-74.
2. Mamta Rathore, Shashibala, **H. G. Prakash** and Khalil Khan (2020) Agro-biodiversity and its importance. Agriculture Development & Economics Transformation in Global Scenario. ISBN – 978-81-943375-3-9, 2020: 77-79.
3. Pandey, R.K., Babu Singh and **Prakash, H.G.** (2013) Economic wheat production an over view. In: Highlights of Wheat Research (L. P. Tiwari et al editors), *Army Printing Press for C.S.A. University of Agriculture & Technology, Kanpur.* pp 64-66.
4. **Prakash, H.G.**, Singh, D.P. and Singh, D. (1998) Utilization of ravenous wasteland for sustainable goat production. In: Wasteland Development Challenges and Opportunities (A.K. Singh et al, Editors), *University Printing Press CSAUT, Kanpur.* pp 254-259.
5. Singh, D.P., **Prakash H.G.** and Singh, I.J. (2008) Emerging trend and issue on impact of cultivation on biodiversity of medicinal plants. In: Emerging Challenges in Harnessing Plant Bio-diversity, Marketing and Export Potential of Medicinal and Aromatic Plants (D.P. Singh et al Editors), *Army Printing Press for C.S.A. University of Agriculture & Technology, Kanpur:* pp 73-79.
6. Singh, R.A., **Prakash, H.G.** and Singh, D.P. (2008) Improvement in yield and quality of aniseed (*Pimpinella anisum*) with vrikshamitra bacterial fertilizer nursing. In: Current trends of Research and Extension on Medicinal and Aromatic Plants in India (D.P. Singh et al editors), *Army printing Press for C.S.A. University of Agriculture & Technology, Kanpur:* pp : 56-57.
7. Singh, R.A., Singh, D.P. and **Prakash, H.G.** (2008) Integrated nutrient management in garlic on partially reclaimed sodic soils. 49-50. In: Current trends of Research and Extension on Medicinal and Aromatic Plants in India. (D.P. Singh et al Editors), *Army Printing Press, Lucknow for C.S.A. University of Agriculture & Technology, Kanpur.* pp 49-50.
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- and Aromatic Plants in India (D.P. Singh et al editors), *Army printing Press Lucknow*. pp 53-55.
9. Singh, D.P.; **Prakash H.G.** and R.A. Singh (2008) Harnessing Plant Bio-diversity, Marketing and Export Potential of Medicinal and Aromatic Plants in India. In : Emerging Challenges in Harnessing Plant Bio-diversity, Marketing and Export Potential of Medicinal and Aromatic Plants. (D.P. Singh et al editors), *Army Printing Press, Cantt Sadar Lucknow for C.S.A. University of Agriculture & Technology, Kanpur*.
 10. **Prakash, H.G.**; Sujeet Kumar; Swapna, M, Singh, D.P. and Solomon, S. (2018) An overview of the agricultural sector in Uttar Pradesh. In Souvenir Harnessing potential of tradinal and modern technologies for sustainable agriculture. IAUA 7th Regional meeting of Vice Chancellor held on August 29-30, 2018 (eds R.K .Yadav et. al.).

Proceedings

1. D.P. Singh, **H.G. Prakash**, R.A. Singh, Munish Kumar and Kripa Shanker (2007) Souvenir and Abstracts of National Seminar on "Management of Medicinal and Aromatic Plants in Farming Systems Perspective". *Army Printing Press, Cantt Sadar Lucknow for C.S.A. University of Agriculture & Technology, Kanpur*.
2. D.P. Singh, H.G. Prakash and R.A. Singh (2007) Proceedings - Current Trends of Research and Extension on Medicinal and Aromatic Plants in India. *Army Printing Press, Cantt Sadar Lucknow for C.S.A. University of Agriculture & Technology, Kanpur* .
3. D.P. Singh, **H.G. Prakash**, P.S. Kendurkar, R.A. Singh, Munish Kumar , Dhananjai Singh and Irfan Beg (2008) Lead papers and Abstracts of National Seminar on Emerging Challenges in Harnessing Plant Bio-diversity, Marketing and Export Potential of Medicinal and Aromatic Plants. *Army Printing Press, Cantt Sadar Lucknow for C.S.A. University of Agriculture & Technology, Kanpur*.
4. D.P. Singh, **H.G. Prakash** and R.A. Singh (2008) Proceedings: Emerging Challenges in Harnessing Plant Bio-diversity, Marketing and Export Potential of Medicinal and Aromatic Plants. *Army Printing Press, Cantt Sadar Lucknow for C.S.A. University of Agriculture & Technology, Kanpur*.
5. Dr Sushil Solomon; **Dr H.G. Prakash**; Dr D.P. Singh; Dr D. Singh; Dr Mukesh Mohan; Dr R.A. Singh; Dr Rasmi Singh; Dr Rajiv and Dr V.B. Jaiswal (2017) Proceeding of the National Conference on Organic Farming held on December 12-13, 2017 at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India.
6. Dr Sushil Solomon; **Dr H.G. Prakash**; Dr D.P. Singh; Dr D. Singh; Dr Mukesh Mohan; Dr R.A. Singh; Dr Rasmi Singh; Dr Rajiv and Dr V.B. Jaiswal (2017) Souvenir of the National Conference on Organic Farming of the National Conference on Organic Farming held on December 12-13, 2017 at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India.
7. Dr Sushil Solomon; **Dr H.G. Prakash**; Dr D.P. Singh; Dr D. Singh; Dr Mukesh Mohan; Dr R.A. Singh; Dr Rasmi Singh; Dr Rajiv and Dr V.B. Jaiswal (2017) Abstracts of the National Conference on Organic Farming National Conference on Organic Farming of the National Conference on Organic Farming held on December 12-13, 2017 at Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India.
8. Dr R.K. Yadav; Dr Mushish Kumar; Dr Mukesh Mohan; Dr Naushad Khan; **Dr H.G. Prakash**; Dr Dhoom Singh; Dr S.K. Gupta; Dr D.P. Singh; and Shweta (2018) Souvenir” Harnessing potential of tradinal and modern technologies for sustainable agriculture. IAUA 7th Regional meeting of Vice

Chancellor held on August 29-30, 2018 organised by Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India

9. Dr Ashok Kumar; Dr Indu Sharma; Dr L.P. Tiwari; Dr H.G. Prakash; Dr N.B. Singh; Dr R.K. Sharma; Dr D.P. Singh; Dr Gyanendra Singh; Dr R.K. Pandey; Dr A. Gupta; Dr P.K. Gupta and R.S. Chhakar (2013). Souvenir 52nd Aall India Wheat & barley Research Workers meet held on September 1-4, 2013 organised by Chandra Shekhar Azad University of Agriculture & Technology, Kanpur-208002 (U.P.), India.

Technical Reports

1. **H.G., Prakash;** Ashok Kumar; Salendra Kumar; Singh H.C. (2001), Survey report an purwa-Lalau of district Auraiya. Report submitted to Dr. BRA college of Agri. Engg. & Technology, Etawah. CSAUA&T, Kanpur.
2. Singh, D.; Singh, J.D.,;**Prakash, H.G.(2000)** Neelam Sharma, and S.K. Mishra (2001), Strategic Research and Extension Plan of District Agra. Funded by UPCAR, Lucknow.
3. Singh, D.P., **Prakash, H.G.**, Singh, R.A. and Singh, Daulat (2008), Strategic Research and Extension Plan of District Kanpur Dehat. Funded by SEEMA, Lucknow.
4. Singh, D.P., **Prakash, H.G.**, Singh, Rajiv Kumar and Singh, Daulat (2007), Strategic Research and Extension Plan of District Etawah, Funded by MANAGE, Hyderabad.
5. Singh, D.P., Singh, D., Singh, A.K., Singh, R.A. and **Prakash, H.G.** (2000), Strategic Research and Extension plan of District Etah., Funded by UPLDC, Lucknow.
6. Singh, D.P., Singh, D., Singh, A.K., Singh, R.A. and **Prakash, H.G.** (2000), Strategic Research and Extension Plan of District Hardoi. Funded by UPLDC, Lucknow.
7. Singh, D.P., Singh, D., Singh, A.K., Singh, R.A. and **Prakash, H.G.** (1999), Strategic Research and Extension Plan of District Farrukhabad/Kannauj. Funded by DASP, Lucknow.

Abstracts of Publications

S. No.	Particular	Numbers
1.	Research papers in national/international referred journals	42
2.	Conference Papers	18
3.	Research abstracts/extended summary papers	96
4.	Dissertation	02
	Book Chapters	10
5.	Books/booklets	24
6.	Proceedings	9
7.	Technical reports	7
8.	Articles in magazine	12

	Total	220
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Awards/Distinctions Received, if any:

S. No.	Year	Award/Recognitions	Awarded by
1.	2008	Appreciation Award	C.S. Azad Univ. of Agri. & Tech., Kanpur
2.	2011	Fellow of Hind Agri-horticultural Society	Hind Agri-horticultural Society
3.	2013	Azad Krishi Samman	C.S. Azad Univ. of Agri. & Tech., Kanpur
4.	2015	Distinguished Scientist Award	Astha Foundation, Meerut
5.	2016	Rajiv Gandhi Excellence Award-2016	Maiher Times
6.	2017	Award of Excellence 2017 in Research in Innovation	C.S. Azad Univ. of Agri. & Tech., Kanpur
7.	2017	Appreciation Award -2017	C.S. Azad Univ. of Agri. & Tech., Kanpur
8.	2018	Distinguished Scientist Award-2018	IASPAT 2018, Thailand
9.	2020	Outstanding Scientist Award-2019	C.S. Azad Univ. of Agri. & Tech., Kanpur
10.	2020	Best Paper Presentation Award	UPCAR, Lucknow
11.	2020	International Education Awards 2020 (Top Ten Directors)	Kites Kraft Productions, Chandigarh
12.	2020	Appreciation Awards for organising International Training programme	C.S. Azad Univ. of Agri. & Tech., Kanpur
13.	2020	Excellence in Communication Awards	Astha Foundation, Meerut

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