

CURRICULUM VITAE

Dr. Satyavir Singh

Assistant Professor
Institute of Agricultural Sciences,
Bundelkhand University, Jhansi, Uttar Pradesh
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Fields of Research Interest

Macro and Micronutrient response on plant and soil
Salinity and Alkalinity, Manures, fertilizers and biofertilizers
Medicinal and aromatic crops and oil seed crops

Educational Degrees

Ph.D -2002 Department of Agricultural Chemistry and Soil Science,
Dr. Bhim Rao Ambedkar University, Agra. Uttar Pradesh
Topic: "Performance of oil seed crops under saline environment".

M.Sc(Ag)-1987 Department of Agricultural Chemistry and Soil Science,
Agra University, Agra. Uttar Pradesh.
Topic: "Effect of soil application of farm yard manure (FYM), iron, and manganese on yield & nutrient uptake by oat".

B.Sc(Ag)Hons-1985 Agra University, Agra. Uttar Pradesh.

Intermediate (Ag) RBS Inter College, Agra, 1982, UP Board, Allahabad.

High School RBS Inter College, Agra, 1980, UP Board, Allahabad.

Present Position

Assistant Professor, Department of Soil Science and Agricultural Chemistry, Institute of Agricultural Sciences, Bundelkhand University, Jhansi, UP-284128 since 11th Oct 2013 – till date.

Teaching Experience (19 Years, UG+PG)

Post Graduate Classes: 15 Years

- 1. M.Sc. (Ag). Soil Science and Agricultural Chemistry*, Institute of Agricultural Sciences, Bundelkhand University, Jhansi 284128 UP.
Session: 2014-15 to till date (**07 Years**)
M.Sc. (Ag). Agronomy: Soil Fertility & Nutrient Management (AGR-6382),
Soil conservation and Watershed management (AGR-6387),
Management of Problem Soils (AGR-7386)
M.Sc. (Ag). Horticulture: Medicinal and Aromatic Plant (HOR)
M.Sc. (Ag). Agroforestry: Wasteland Development and Watershed Management (AGF7392)
- 2. Lecturer*, Department of Soil Science and Agricultural Chemistry, Nehru P.G. College Lalitpur, UP since session 2010-11 to 2013-14. (**04 Years**)
- 3. Lecturer*, Department of Agricultural Chemistry and Soil Science, R.B.S. College, Bichpuri, Agra session 2008-09 to 2009-10. (**02 Years**)
- 4. Lecturer*, Department of Agricultural Chemistry and Soil Science, R.B.S. College, Bichpuri, Agra session 1997-1998. (**01 Year**)

Graduate Classes: (12+7=19 Years)

Lecturer, Department of Agricultural Chemistry and Soil Science, R.B.S. College, Bichpuri, Agra (UP), session 2004-2007-08.

Professional Experience (09 Years)

Technical Assistant, Office of Assistant Director Horticulture, East Nimar, District Khandwa, Madhya Pradesh since 31st Dec 1988 – 30th July 1997 (**09 Years 06 month**)

Experience in Research

Research Project: Two project sanctioned

1. Project Details (Granted and on going)

Name of Project : Integrated Development of Turmeric Sector in North Eastern and Bundelkhand Regions through Sustainable Technological Interventions for Improvement of Productivity, Quality and Post Harvest Processing Technology under Good Agricultural Practices (GAP) and Organic Production Systems

Sanction Authority: Department of Biotechnology, Ministry of science & Technology **Govt. of India, New Delhi**

PI- Dr. Satyavir Singh (Approved), Department of Soil Sciences, Institute of Agricultural Sciences, Bundelkhand University, Jhansi **sanction no. BT/PR32389/TRM/120/262/2019**, Dept. of Biotechnology, Ministry of Science and Technology, Govt. of India, sanctioned on **03.01.2020**.

Project Duration – 03 years, Date of sanction – **03.01.2020**

Amount sanctioned - Rs. 73.15 Lacs

2. Project Details (Granted and completed 17.12.2021)

Name of Project : Demonstration of Cultivation, processing and Value Addition selected crops in Bundelkhand Regions.

Sanction Authority: Department of Biotechnology, Ministry of science & Technology **Govt. of India, New Delhi**

PI- Dr. Satyavir Singh (Approved), Department of Soil Sciences, Institute of Agricultural Sciences, Bundelkhand University, Jhansi **sanction no. BT/PR25790/TRM/120/165/2017**, Dept. of Biotechnology, Ministry of Science and Technology, Govt. of India, sanctioned on **18.06.2018**.

Project Duration – 03 years, and 6 months extension (17.12.2021)

Amount sanctioned - Rs. 72.53 Lacs

PhD Supervisor: 1. Approved PhD research supervisor, Research Cell, Bundelkhand University Campus, Jhansi, U.P.

2. Approved PhD research supervisor, Research Cell, Sangam University, Bhilwara, Rajasthan

Research scholar supervising:

- **PhD** research scholars are registered currently -03.
- **Twenty (20) M.Sc. students** have been completed their dissertation work under my supervision/co- supervision, session 2020-21.
- Empowerment of Rural farm Families In Field of Vermi-Composting, Vermi Wash and Vermi Culture for Regular Income Generation to Change **“The Quality of Life”** Submitted to Uttar Pradesh Council of Agricultural Research, Lucknow, UP.
- Research in, Dr. Bhim Rao Ambedkar University, Agra: worked as a Doctoral Research Scholar in the Department of Agricultural Chemistry and Soil Science, RBS College, Bichpuri, Agra, UP (1998-2002).
- Research in Agra University, Agra: Worked as a Post-graduate Scholar in the Department of Agricultural Chemistry and Soil Science, RBS College, Bichpuri, Agra, UP (1985-87).

Member of Editorial Board of Journals

- International Journal of Nature and Environment, UP, India.
- Asian Journal of Agriculture and Life Sciences, UP, India.

Member of Professional / Technical Committees

1. President – Bundelkhand Vishishth Krishi Utpaad Sanrakshan Samiti, Jhansi, U.P. under chit fund Society Registration Act 1860. Working in the supervision of District authority, District Jhansi, U.P.
2. Member- Board of Study, Department of Soil Science & Agricultural Chemistry, Bundelkhand University, Jhansi, U.P.
3. Program Co-ordinator RAWE (Rural Agricultural Work Experience), Institute of Agricultural Sciences since 2016-17 to till date.
4. Officer In-charge Laboratory, Institute of Agricultural Sciences, BU, Jhansi.
5. Central Superintendent, Exam-2017-18, Institute of Agricultural Sciences, Bundelkhand University, Jhansi, UP.
6. Central Superintendent, Exam-2016-17, Institute of Agricultural Sciences, Bundelkhand University, Jhansi, UP.
7. Central Superintendent, Exam-2015-16, Institute of Agricultural Sciences, Bundelkhand University, Jhansi, UP.
8. Assistant In-charge Coding and Results-2015, Bundelkhand University, Jhansi, UP.
9. Programme Officer, National Service Scheme (NSS), Nehru P.G. College, Lalitpur, U.P
10. Managing Director/Secretary, National Development Samiti, Agra

Reviewer of Journals

1. International Journal of Nature and Environment, UP, India.
2. Asian Journal of Agriculture and Life Sciences, UP, India.

List of Publications

Research Papers:

- **Satyavir Singh**, Anil kumar Sahu, Guru Dayal, Saurabh and Sanjay Singh (2021) “Effect of phosphorous and zinc supplementation on growth, yield attributes and yields on pea (*Pisum sativum* L.) in district Jhansi (UP) India”. *Flora and Fauna an International Research Journal of Biological Sciences*. vol.27 (2);279-283.
- **Satyavir Singh**, Guru Dayal, Ashish Kumar Shukla, Anil Kumar Sahu and Santosh Kumar Singh (2021) “**Response of farm yard manures and zinc application of growth parameters and yield of winter maize (*Zea mays*).**” *Flora and Fauna an International Research Journal of Biological Sciences*. vol.27 (2); 284-288.
- **Solanki, Satyavir Singh**, et al. (2020) "Effect of levels of nitrogen and gibberellic acid on growth, yield and quality of okra (*Abelmoschus esculentus* L. Moench)" *Journal of Pharmacognosy and Phytochemistry* 9.4: 1165-1167.
- **Solanki, Satyavir Singh**, et al. (2020) "Effect of soil application of sulphur, farm yard manure and vermicompost on soil fertility, growth and yield of garlic (*Allium sativum* L.)." *IJCS* 8.1: 1370-1373.
- Satyavir Singh, et al. (2020) "Effect of levels of nitrogen and gibberellic acid on growth, yield and quality of okra (*Abelmoschus esculentus* L. Moench)." *Journal of Pharmacognosy and Phytochemistry* 9(4): 1165-1167.

- Satyavir Singh Solanki, et al. (2020) "Effect of soil application of sulphur, farm yard manure and vermicompost on soil fertility, growth and yield of garlic (*Allium sativum* L.)." *IJCS* 8(1) 1370-1373.
- Satyavir Singh, Mahipat Singh (2018) "Influence of nitrogen and Sulphur application on growth, yield attributes, yield and quality of mustard (*Brassica junco* L)" in Bundelkhand region. *International Journal of Fauna and Biological Studies*; 5(2): 83-85.
- Satyavir Singh (2016) Evaluation of iron and manganese content under organic matter application in potential fodder crop oat (*Avena sativa* L) communicated to Hortiflora, Meerut
- Satyavir Singh (2016) Effect of Organic Matter and Iron Application On Yield And Nutrient Uptake By Oat. *Asian Journal of Agriculture and Life Sciences*. Vol. (1):1, 1-3.
- Satyavir Singh (2016) Response Of Sodium Adsorption Ratio (SAR) On Growth, Yield, Oil Content and Uptake Of Nutrients by Linseed. *Nature and Environment*. Vol. 21 (1), 01-04.
- Satyavir Singh *et al* (2014) "Vertical distribution of phosphorus fraction in alluvial soils of south-western plain zone of Uttar Pradesh, in journal *Annals of Plant and Soil Research*,16(2):84-88
- Satyavir Singh *et al* (2013), Response of water sodicity (SAR) on growth, yield, oil content & uptake of nutrients by safflower", in *Nature and Environment*, vol 18 (1 & 2nd) 19-22.
- Satyavir Singh *et al* (2013), "Evaluation of antioxidant activity of brinjal (*Solanum malongena*)" in *Journal of Current Science*, in 2013 Feb; 1(1) 01-05.
- Satyavir Singh *et al* (2012), "Development of gastroretentive formulation of alprazolam" by Pharmatutor. (www.pharmatutor.org). *Pharma Tutor – ART- 1317* (2) 1-5.
- Satyavir Singh *et al* (2012) "Proniosomes: A universal carrier system for transdermal delivery of drugs" in *The Global Journal Of Pharmaceutical Research*, Vol. 1(5), 1379-1385.
- Satyavir Singh *et al* (2012) "Design and development of spherically agglomerated blend of ibuprofen- paracetamol for improved tableting and dissolution characteristics" in *International Journal of Therapeutic Application* june/dec. 8 (2), 8-13
- Satyavir Singh *et al* (2005) "Effect of boronated water level on the yield attributing characters, yield & oil content of safflower & linseed", in *Journal Of Rural And Agriculture Research*, vol. 5 (1 & 2) 94-97.

Research Articles:

- , " | ISSN 2582-5976 -16, -10, , 2022 -31
- " : " ISSN 2582-5976 -16, -08 , , 2021 -53
- , "

Book Published

- **Satyavir Singh Solanki, “Mushroom: A Recent Source of Income”,** Published by Deptt. of Agricultural Economics, RBS College, Bichpuri, Agra, ICAR Aided, 2008.
- **Satyavir Singh Solanki, “Soils, Manures and Fertilizers”,** Shri Krishna Publishers, Agra, 2013.
- Divya Jyoti Mishra, Shashikant Tripathi and **Satyavir Singh Solanki, “Fundamentals of Soil Science”,** Shri Krishna Publishers Agra, 2020, ISBN: 978-81-946801-0-8

Radio Talks - 07

- “**Soil Health and Fertilizer Use** - A Sustainable Approach” | **20.01.2022**
- “**Soil Health and Fertilizer Use** - A Sustainable Approach” | **21.12.2021**
- “**Soil Health and Fertilizer Use** - A Sustainable Approach” | **17.12.2021**
- “**Soil Health and Fertilizer Use** - A Sustainable Approach” | **16.12.2021**
- “**Soil Health and Fertilizer Use** - A Sustainable Approach” | **07.09.2021**
- Lecture delivered during radio talk on content development workshop on Brain Storming on Content for radio communication- **Climate change impact on agriculture** organized by Bundelkhand Radios, Tigaila, Orchha, Niwari, Madhya Pradesh on **18.12.2019**.
- Lecture delivered during radio talk on climate change communication and outreach through community radio program on “**Adopting to Climate Change & Adversities in Agriculture**” organized by Bundelkhand Radios, Tigaila, Orchha, Niwari, Madhya Pradesh on **21.11.2019**.

List of Conference/Seminars/Webinars

- International Webinar on **Health and Environment Protection During Pandemic Outbreak of COVID-19** organised by Dept. of Chemistry, Faculty of Science, Sam Higginbottom University of Agriculture Technology and Sciences on June 25-26, 2020.
- **MHRD Innovation Cell** Govt. of India, First leadership talk with Mr. Shridhar Venkat, CEO Akshay Patra Foundation, held on 20th June 2020.

- **MHRD Innovation Cell** Govt. of India, First leadership talk with Prof. DP Singh, Chairman UGC, held on 9th May 2020.
- **Guest speaker** in National Seminar organized by Dept. of Agriculture and Biotechnology, SR College of Professional Studies, Jhansi on **25-26th April 2019**.
- National symposium on ‘**Integrated Farming System For Sustainable Agriculture-Challenges And Opportunities**’ organized by institute of agriculture sciences, Bundelkhand University, Jhansi on feb 19-21, 2011.
- State level **Mango Exhibition 2007**, training and seminar of officers/associates with progressive farmers in Indore, M.P. On 9th & 10th of June 2007.
- Participated as a delegate in “**Soil Fertility Orientation Program Course Organized By Potash & Phosphate, Institute Of Canada & India Program**”, RBS College, agra, U.P. In 2004-05.
- Participated as a delegate in “**Soil Fertility Orientation Program Course Organized By Potash & Phosphate, Institute Of Canada & India Programme**” Gurgaon, Haryana in 2002-03.

Project Proposal Presentation

- “Demonstration centre for Seed Production and Dissemination of Technology for Spice in Bundelkhand Region” Directorate of Arecanut and Spice Development, GOI, Calicut, **Kerala** under **CSS_MIDH Program** held at **Raipur**, Indira Gandhi Krishi Vishwavidyalaya on **June 26-27, 2018**.

Keynote Lecture Delivered

- A certificate of appreciation by UGC during mentorship to three participants under **UGC-STRIDE** Scheme, Govt. of India organized by Bundelkhand University, Jhansi, Batch-I 2020.
- Lecture delivered during Pradhanmantri Kaushal Vikash Yojana, Govt. of India on “**Quality Seed Production**” organized by Krishi Vigyan Kendra, Bharari of Banda University of Agriculture and Technology, Banda, Uttar Pradesh on **11.01.2021**.
- **Lecture delivered** in National Seminar “Current scenario and Future Trend in Agriculture and Biotechnology” entitled **Sustainable Crop Production through Integrated Nutrient Management** organized by Dept. of Agriculture and Biotechnology, SR College of Professional Studies, Jhansi on **25-26th April 2019**.
- Lecture delivered on **Soil Sample and Soil Analysis Impact on Recommendation of Manures and Fertilizer** during Workshop on Agricultural Diversification for Doubling Farmers Income and Food Security, in the Institute of Agricultural Sciences, Bundelkhand University Campus, Jhansi, U.P. **April 8-10, 2019**.
- Lecture delivered on **Soil Health and Bio- Fertilizer** during Workshop on Agricultural Diversification for Doubling Farmers Income and Food Security, in the Institute of Agricultural Sciences, Bundelkhand University Campus, Jhansi, U.P. **April 8-10, 2019**.
- **Lecture delivered on “Role of soil testing for fertilizer recommendation in Bundelkhand Region“** to Farmers, extension workers and District Authorities of concern department in Brahad

Kishan Mela and Agriculture Exhibition at **Krishi Vigyan Kendra, Bharari, Jhansi, U.P. (Chief Guest-Shri Ravi Sharma, MLA Sadar and President, Hon. Prof. (Dr.) U. S. Gautam, Vice chancellor, Banda Agriculture Technical University, Banda, U.P. on 28th Feb 2019.**

- Lecture delivered on “**Importance of Soil ample and Analysis in Organic Production**” during farmers training programme jointly organized by Patanjali Bio Research Institute (PBRI), Hardwar and Institute of Agriculture Sciences and Bio Medical Sciences in Patanjali Kisan Samridhi Programme on organic cultivation and value addition of medicinal plants, **12-11-2018 to 21-11-2018 and 11-12-18 to 19-12-2018.**
- Lecture delivered to PhD Scholars on **Crop Productivity Increase through Soil Management during research convention, BU campus session 2015.**
- **Lecture delivered- A short communication on soil health, soil & water testing, water harvesting & watershed management, medicinal and aromatic plant production in UP Rajarshree Tondon Open University, Allahabad, on 18-19 June 2011.**
- **Lecture delivered – Role of drip/sprinkler irrigation system and soil testing in A training programme under Transfer Of Technology, underemployed micro irrigation system at Distt Burhanpur, M.P. On 25th of Jan 2009.**
- **Lecture delivered – Commercial Mushroom Production in State level Mango Exhibition 2007, training and seminar of officers/associates with progressive farmers in Indore, M.P. On 9th & 10th of June 2007.**

Workshop Organized/Attended

- Worked as **Organizing Secretary** in Workshop on Agricultural Diversification for Doubling Farmers Income and Food Security, in the Institute of Agricultural Sciences, Bundelkhand University Campus, Jhansi, UP, **April 8-10, 2019.**
- Programme Co-ordinator in farmers training programme jointly organized by Patanjali Bio Research Institute (PBRI), Hardwar and Institute of Agriculture Sciences and Bio Medical Sciences in Patanjali Kisan Samridhi Programme on organic cultivation and value addition of medicinal plants, **12-11-2018 to 21-11-2018 and 11-12-18 to 19-12-2018.**
- I have participated two days national workshop on “**Enhancing Skills In Teacher’s Education (Nineste-2014)**” **Sponsored By: University Grant Commission, New Delhi and organized by Institute of Education Bundelkhand, Jhansi on 10-11 March, 2014** At University Auditorium, Bundelkhand University Jhansi.
- National workshop on enhancing skills in teacher’s education (**NWESTE 2014**) 10-11 march 2014 organized by Institute of Education. BU, Jhansi.

Training and Faculty Development Programme

- **Exposure – visit/trainings** – A farmers exposure visit / training under the supervision Dr. Satyavir Singh Principal Investigator – IIPR-Kanpur, CSAUAT- Kanpur Dated On 09.12.2021 and CIMAP- Lucknow, IISR-Lucknow Dated on 10.12.2021.
- Symposium on DNA Technology & Nanotechnology: Will it change medical science in future & NABL accreditation awareness program and **Faculty Training Program on advance research equipment sponsored by Innovation Centre & Institute of Bio Medical Science, Bundelkhand University Campus, Jhansi on Oct 3-6 2018.**

- Dr. M.S. Swaminathan lecture series in Bundelkhand University, Jhansi, UP on 30th Aug 2016.
- Faculty skills development programme from 01/09/2014 to 07/09/2014 organized by Bundelkhand University campus, Jhansi, UP.
- Training programme under Agri Clinic and Agri Business, central scheme of Govt of India by National Institute of Agricultural Extension Management (organization of ministry of Agriculture), Rajendar Nagar, Hyderabad 2014, At JARDC Agra, U.P.
- I have participated in model training course on “*Good Agriculture Practices for Forage Crop Production Sponsored by: Directorate of Education, Ministry of Agriculture, Grassland and Fodder Research Institute, Jhansi from Feb-18-25, 2014.*”
- A Training Program under Transfer of Technology, Underemployed Micro Irrigation System at Distt Burhanpur, M.P. On 25th of Jan 2009.
- M.P State Mango Exhibition 2007, training and seminar of officers/associates with progressive farmers in Indore, M.P. On 9th & 10th of June 2007.

Capacity Building Programmes

There are no. of capacity building programmes organized in different area of Jhansi district-

1. Dated on 08.01.2022 and Number of Participant – 56
2. Dated on 11.12.2021 and Number of participant – 35
3. Dated on 13.12.2021 and Number of participant – 67
4. Dated on 20.09.2021 and Number of participant - 25

Personal Details

Date of birth: 01st Nov 1964

Place of birth: Agra, Uttar Pradesh

Spouse: Vimallesh Solanki

Father: Late Shri Sahab Singh



Date -

Dr. Satyavir Singh
Assistant Professor

Place - Jhansi

Deptt. of Soil Science & Agril Chemistry
Institute of Agricultural Sciences,
Bundelkhand University Campus, Jhansi, Uttar Pradesh