

SUBODH KUMAR BISHNOI

PhD. Agriculture

(Projects In-charge of 'Center of Excellence for Tissue Culture (COETC) for important fruits and flowers of Rajasthan' and 'All India Coordinated Research Projects on Pearl Millet')

Residence:

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OBJECTIVE

To work in an environment where I am given a chance to take up new challenges and build upon my knowledge base, while contributing to the organization.

PROFILE

- Nearly 15 years of experience in progressive roles in the diverse areas of Crop research, Farmers advisory, project management, teaching and research encompassing agriculture and rural development sectors.
- Field experiments on different crops, Cotton, Sugarcane, Wheat and Barley under biotic and abiotic stress conditions.
- Possesses professional experience in teaching agricultural systems and management, policy development, project co-ordination and advisory service/technical assistance delivery.
- A keen planner and implementer with deftness in effectuating strategies and leading business development from institutional and private sector organizations.
- Highly skilled in conducting need-based research based on real-time requirements and playing a critical role in driving the development of new varieties for sustainable development.
- An impressive communicator with honed coordination, team building, presentation, convincing and analytical skills. Ability to think out-of-the-box and contribute ideas towards achieving excellence.
- Deft in end-to-end project management activities beginning from conceptualization to implementation, as per specified budgetary, cost and time constraints. Hands on experience in streamlining project management processes for the agricultural domain.
- Sound in application of computers through the use of MS Office suite and statistical packages (SPSS, AGRES).

WORK EXPERIENCE

• <u>Associate Professor</u> <i>SKN Agricultural University, Jobner (Rajasthan)</i>	July, 2023 – Current
• <u>Assistant Professor</u> <i>SK Rajasthan Agricultural University, Bikaner (Rajasthan)</i>	August, 2012 – July, 2023
• <u>Freelance Agriculture Consultant</u> <i>Bhatia Brother's L.L.C. Dubai (U.A.E.)</i>	December, 2010 - Current
• <u>Agricultural Scientist</u> <i>Indian Institute of Management (IIM), Ahmadabad (India)</i>	Nov, 2007 - August, 2012
• <u>Research Associate</u> <i>Indian Council of Agriculture Research (ICAR)</i>	Dec, 2006 - Nov, 2007

- **Research Associate** Dec, 2003 - Nov, 2006
Department of Environmental Science and Forests, Government of India
- **Freelance Agriculture Consultant** Dec, 1997 - March, 1999
SRISTI and Future group

EDUCATION

Degree	University	Main Courses	Thesis topic	Year	Percentage / OGPA
MBA (Marketing)	MD University, Rohtak, Haryana	Business Management, International Marketing etc.	Trading of Onion through Spot Exchange in Punjab for Proposed Modern Wholesale Market at Nasik (Maharashtra).	2012	Received provisional pass certificate.
PhD.	CCS Haryana Agricultural University, Hisar Haryana	Stress Physio. Seed Physio. Enzymo., Statistic, Agro Meteorology etc.	Physiological and biochemical investigations on boron toxicity under salt stress and its alleviation by Calcium in Pigeonpea (<i>Cajanus cajan</i> L.)	2003	3.51 / 4.00
M Sc (Agri.)	S.K. Rajasthan Agricultural University, Bikaner	PWR, Mineral Nutrition, Soil Science, Agronomy, Plant Pathology etc.	Seed and Stress physiological aspects of some soil salinity Bioremediating plants species	1998	3.53 / 4.00
B Sc (Agri.)	MDS University, Ajmer, Rajasthan	Agronomy, Soil Science, P Pathology, LSP, Ex. Education, Agric. Economics, etc.		1992	64.66%

KEY SKILLS

Agronomy & Farm Management

- Field experiments on different crops, Cotton, Sugarcane, Wheat and Barley under biotic and abiotic stress conditions.
- Cultivated crops under dry-land, rain-fed and wasteland conditions including medicinal and aromatic plants on cultivable wastelands.
- Different nutrient analysis in soil and plant with relation to crop physiological parameters.
- Managed the development of crop cafeteria and college farm.
- Lead the scientific team from agricultural and state departments for the development of location specific plans (crops, varieties, inputs, management practices, etc.) for conducting varietal verification trials and field trials (bio-efficacy)
- Ensured quality seed production for tribal, backward and hill area crops.
- Delivered front line demonstrations for producing improved varieties of crops. Ensuring efficacy of bio-fertilizers and bio-pesticides.
- Coordinated and monitored multi-disciplinary mega projects in the field of agriculture and crop management.
- Prepared project reports, articles, research papers and training manuals.

Rural Development

- Delivered training and skill development tutorials to rural inhabitants for adoption of organic farming practices for higher returns of quality produce, better environment, improved soil health and sustainable living conditions in 1000 hectares of fruits and vegetables each involving over 3000 farmers.

- Worked with NGOs for feasibility analysis of entrepreneurial network in the rural areas for better livelihood and employment generation.
- Implemented household food and nutritional security mega project in the tribal, backward and hilly areas encompassing 20 states and 52 centers.
- Worked on plant-based health care system for the development of efficient and cost-effective health methodologies for rural inhabitants through the establishment of enterprises.
- Worked on best crop combination techniques for achieving higher yield and better nutritional value.
- Conducting Front Line Demonstration (FLD's) given by AICRP on Cotton and Wheat schemes on farmers fields.

Research and Development

- Managed suitability of crops (best combination) under dryland conditions with limited irrigation (water-use efficiency, yield and economics); and different varieties of maize and other crops under rain-fed conditions.
- Lead the introduction of intercropping (for the first time) for medicinal and aromatic plants.
- Setup protocols for post-harvest processing and value addition of medicinal and aromatic plants.

Coordination, management and leadership

- Co-ordinated the project "***A framework for emergence, evolution and effective dissemination and utilization of innovations at the grassroots level***", a joint research project between India, China, Brazil and South Africa with active cooperation of the International Development Research Centre (IDRC) [Research proposal accepted, field work expected to commence soon].
- Worked on the project "***Creative Communities for Sustainable Lifestyles***" where an attempt was made to scout and document individuals/groups of individuals/communities initiating or leading a sustainable lifestyle in urban environments in India.
- Worked on policy related issues at national and international level for the benefit of farmers.
- Successfully organized one week training courses for farmers related to eco-friendly farming techniques, integrated pest management and post-harvesting techniques, and innovation systems on good farming practices in Sept. 2010 and May 2011.
- Worked on the project "***Village Knowledge Management System***", an analysis of the alarming rate of farmer's suicide in recent years, identifying its causes, consequences, and development of prevention policies and farmer support systems.
- Review of indigenous knowledge/practices for water supply and sanitation in India and other developing countries like Brazil, China, Ghana, Egypt, etc. The project was funded by the European Union and also involves studying and analyzing the role of various organizations (Governmental and non-governmental) in providing safe and adequate water to people in the 'MAI-TAI' (***Managing water scarcity: Intelligent Tools And cooperative strategies***) and 'ANTINOMOS' (***A knowledge Network for solving real-life water problems in developing countries: Bridging contrasts***) for water and Agriculture Management and Sanitation projects in Gujarat and Rajasthan funded by European Union.
- Successfully organized three days workshop from July 17 - 19, 2010. "***Harnessing Intellectual Property for Strategic Competitive and Collaborative Advantage***"
- Successfully organized a "***National Policy Workshop on Wildlife-Livestock Interface in National Parks in India***" involving renowned researchers, forest officials and policy makers from across India.
- Organized workshops on "***Inventors of India 2008 and in 2009***". The basic focus of the workshop were to create widespread awareness among the grass-root inventors towards incubation and entrepreneurship. One of the objectives is to establish a collegial platform for learning and collaboration among various stakeholders including inventors, innovators, and managers of incubators, individual investors, venture capitalists, and policy makers.
- Successfully organized and participated in a ten day long ***Shodhyatra (a knowledge walk organized by SRISTI to unravel the creativity and innovative spirit of people)*** in rural West Bengal and Jharkhand (Dec.23, 2007, Jan. 03, 2008 and Dec 2010).

TRAININGS & CERTIFICATIONS

- Attended Two months Training of 'Agri-Clinics and Agri- Business Management' by Ministry of Agriculture, Govt. of India.
- Attended a one-month Training in "General Techniques in Plant Tissue Culture" conducted by 'Centre for Research and Application in Plant tissue Culture', Deptt. Of Science and Technology, Govt. of Haryana.
- Attended WUEMED training course on "Integrated approaches to improve drought tolerance in crops" from June 5-10, 2006 organised by Department of Agro-environmental Science and Technology, University of Bologna, Italy.
- ORCID ID: <https://orcid.org/0000-0002-4614-3213>

AWARDS & ACHIEVEMENTS

- Awarded merit scholarship given by University during M.Sc. & Ph.D.
- National Eligibility Test for Lectureship (NET) Examination passed in December 1999.

➤ Vice- President and founder member of, "**Green India, Clean Environment Society**"

INTERNATIONAL EXPOSURE

- Working as a freelance consultant with Bhatia Brother's L.L.C. Dubai (U.A.E.), visiting one week in every two months.
- Attended WUEMED training course on "Integrated approaches to improve drought tolerance in crops" from June 5-10, 2006 organised by Department of Agro-environmental Science and Technology, University of Bologna, Italy.
- ANTINOMOS (A knowledge Network for solving real-life water problems in developing countries: Bridging contrasts) Project report presented in Bari (Italy) from November 25th to 27th, 2009.
- Attended Conference on "Sustainable Water Management in Developing and Transition Countries" (15th-18th September 2010). Mehran University of Engineering & Technology, Jamshoro - Sindh, Pakistan.

PUBLICATIONS

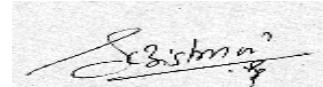
- On separate sheet (If required, will send).

REFERENCES

- **Prof. R.P.S. Chauhan**, Zonal Director Research, Department of Agronomy (Water Management), Agricultural Research Station (*SK Rajasthan Agricultural University, Bikaner (Rajasthan)*), Karnee marg, Sriganganagar-335001 (Rajasthan), India. Mobile: +918209874217. E-mail: rpschauhan62@gmail.com
- **Prof. Anil K. Gupta**, Centre for Agri-business Management, Indian Institute of Management, *Vastrapur, Ahmedabad-380015, Gujarat, India*. Mobile: +91 9825014437. E-mail: anilgb@gmail.com
- **Prof. N.S. Parihar** (Retd.), Ex HOD Department of Soil Science (Water Management), Agricultural Research Station (*SK Rajasthan Agricultural University, Bikaner (Rajasthan)*), Karnee marg, Sriganganagar-335001 (Rajasthan), India. Mobile: +919413968734. E-mail: suryashm@yahoo.com

Dated:
February 9th, 2026

Subodh Kumar Bishnoi



APPENDIX

EMPLOYMENT DUTIES & EXPERIENCE

Current Employer	SKN Agriculture University, Jobner- Jaipur (Rajasthan)
Title	Associate Professor Plant Physiology,
Responsibilities	<p>Teaching curriculum in the department of agronomy</p> <ul style="list-style-type: none"> • <i>Teaching the courses Stress Physiology and Plant mineral nutrition, Physiological and molecular responses of plants to abiotic stresses Physiology of Field Crop and Fundamentals of Plant Physiology.</i> <p>Research</p> <ul style="list-style-type: none"> • Project Incharge for 'Center of Excellence for Tissue Culture (COETC) for important fruits and flowers of Rajasthan'. • Conducts experiments or investigations in field-crop problems and develops new methods of growing crops to secure more efficient production, higher yield, and improved quality. Different nutrient analysis in soil and plant with relation to crop physiological parameters. • Physiological experiments on Peal Millet.
Employer	SK Rajasthan Agricultural University, Bikaner (Rajasthan)
Title	Assistant Professor at Agricultural Research Station, Sri Ganganagar In-charge All India Coordinated Research Project on Wheat, Barley and Sugarcane
Responsibilities	<p>Teaching curriculum in the department of agronomy</p> <ul style="list-style-type: none"> • <i>Teaching the courses Stress Physiology, Crop Production and Soil Management, Plant mineral nutrition, Environmental Studies and Disaster management.</i> <p>Research</p> <ul style="list-style-type: none"> • Conducts experiments or investigations in field-crop problems and develops new methods of growing crops to secure more efficient production, higher yield, and improved quality. Determining the prominent factors contributing to the occurrence of sudden wilt in upland cotton (<i>Gossypium hirsutum</i> L.). Different nutrient analysis in soil and plant with relation to crop physiological parameters. <p>Agronomy Research farm: About 80 hectares of well established research farm having all the facilities for conducting field experiments on all agronomical aspects.</p> <p>Ongoing research projects:</p> <ul style="list-style-type: none"> • Use of Silica and Thiourea for alleviating the effect of heat stress in wheat, strawberry, Kinnow, cabbage and carrot. • Studies on <i>Parawilt</i> problem in cotton, Wheat, Barley and Sugarcane, Clusterbean, tomato and chilly. • Studies of salt stress in barley on farmer's field. • Studies on different essential nutrient with respective crop growth and development <p>Crop production under biotic and Abiotic stress conditions :</p> <ul style="list-style-type: none"> • Planned and carried out studies at experiment stations or farms to develop and improve varieties of field crops, such as tomato, chilly, cabbage, or cereal with respect to characteristics, such as yield, quality, adaptation to specific soils or climates, and resistance to diseases and pests. • Studied crop production to discover best methods of planting, cultivation, harvesting, and effects of various climatic conditions on crops. • Developed methods for control of noxious weeds, crop diseases, and insect pests. • Conducted field trials at farmer's fields. • Organized training programs for farmers for dissemination of technology. • Carried out soil bio-reclamation/phytoremediation.

	<ul style="list-style-type: none"> • Performed soil fertility analysis and microbial status studies. • Conducted soil survey and its classification.
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Employer	Bhatia Brothers L.L.C. Dubai (United Arab Emirates)
Title	Freelance Consultant Agronomist for Organic farming
Responsibilities	<ul style="list-style-type: none"> • Organized and interpreted soil tests. • Monitored crop for weeds, pests, diseases, moisture and growth regularly to ensure timeliness of any recommended controls or applications. • Implemented planting and harvest schedules. • Arranged preparation of ground, fertilizer, irrigation, paddock layout etc. • Allocated machinery and staff. • Provide consultancy service for organic farming. • Efficiently managed agronomy and entomology of various crops (fruits, vegetables and fodder), and recommended pest and fertility management strategies. • Built green houses for vegetables and flowers. • Managed fodder production for cattle.

Employer	Indian Institute of Management (IIM), Ahmedabad & European Union
Title	Agricultural Scientist , Project Manager of 'Soil, Plant, Animal and Human health' project and 'MAI-TAI' and 'ANTINOMOS' European Union's Projects For Crop Production, Water and Sanitation in Gujarat and Rajasthan.
Responsibilities	<p>Agricultural research and operations</p> <ul style="list-style-type: none"> • Was responsible for soil and plant micronutrient parameter analysis, crop cycle, crop sowing, fertilizer application, pest and disease control, review of the available literature on the contribution of different nutrients derived from various foods [crops and crop varieties, livestock breeds and their products] and their role in causing or exacerbating or suppressing the adverse effects on health, to develop protocol for measuring soil, crop and human health parameters such that the relationship can be established in a statistically significant manner, etc. • Organized various training courses and workshops for farmers, policy makers, managers. • Taught courses CINE (Understanding Creativity, Innovation, knowledge Networks and Entrepreneurship) for PGP and SMIPR (Strategic Management of Intellectual Property Rights) for PGP ABM on co-sharing basis. • Socio-environmental baseline studies, impact assessments, management plans and reviews. • Field monitoring, data collection and processing. • Water quality studies, water resource management and planning. • Technical reviews and assistance for capacity development. • Crop varietal trials both with Gujarat Vidyapith - Ahmedabad and Anand Agricultural University, Anand at various research station and KVK's. • Gained professional experience in teaching, policy development, project co-ordination and advisory service/technical assistance delivery.

Employer	Indian Council for Agricultural Research (ICAR), New Delhi
Project Title	Micronutrient deficiency in legumes and its effects on roots
Responsibilities	<ul style="list-style-type: none"> • Data collection, Data interpretation and report preparation and presentation

Employer	Department of Environmental Science and Forests, Government of India
Project Title	Effects of biotic and abiotic stress on different crops

Responsibilities	Worked as 'Research Fellow' major responsibility was <ul style="list-style-type: none"> Worked on different crops and studied the effect of biotic and biotic stress. Data collection, Data interpretation and report preparation and presentation.
Employer	International Organic Society
Project Title	Organic Farming and marketing
Responsibilities	<ul style="list-style-type: none"> Organic crop production and marketing Data collection, Data interpretation and report preparation and presentation
Employer	Indian Council for Agricultural Research (ICAR), New Delhi
Title	Research Associate
Responsibilities	<ul style="list-style-type: none"> Was a project manager of 'Soil, Plant, Animal and Human health' project, together with my team I am responsible for soil and plant micronutrient parameter analysis such as crop cycle, crop sowing, fertilizer application, pest and disease control, review of the available literature on the contribution of different nutrients derived from various foods [crops and crop varieties, livestock breeds and their products] and their role in causing or exacerbating or suppressing the adverse effects on health, to develop protocol for measuring soil, crop and human health parameters such that the relationship can be established in a statistically significant manner, etc. Coordinated with SRISTI for providing technical help to the farmers of North-Western region of India i.e. Gujarat, Rajasthan, Haryana and Maharashtra for organic crop/vegetables production and the Marketing of Organic Crop/vegetables Products. Organizing fairs like 'Food Festival' (i.e. <i>Satvik</i>) for the promotion and marketing of organic products. Work in co-ordination with SRISTI to strengthen the creativity of grassroots inventors, innovators and entrepreneurs engaged in conserving biodiversity and developing eco-friendly solutions to local farmers' problems and provide advisory services regarding strategies like the use of crop residues for animal feeding, recycling of manure, composting of organic waste, etc. Production and marketing of organic food products under brand name of SRISTI. Assisted local farmers to add value to their commodities through good commodity management practices thus promoting sale and increasing income. Practicing and advising farmer crop cycle adaptation according to climate change. Environmental Management Socio-environmental baseline studies, impact assessments, management plans and reviews. Field monitoring, data collection and processing. Water quality studies, water resource and agriculture management and planning. Technical reviews and assistance for capacity development. Organize various training courses and workshops for farmers. Co-shared teaching the Course CINE (Understanding Creativity, Innovation, knowledge Networks and Entrepreneurship) for PGP and SMIPR (Strategic Management of Intellectual Property Rights) for PGP ABM and the course "Globalising and Resurgent India through Innovative Transformation (GRIIT)" with Dr. A.P.J. Abdul Kalam, Ex. President and Nuclear Scientist of India.