

Profile of Yogesh Kumar Sharma



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Date of joining: 11 July, 2005
Education: M.Sc.(Ag.)Ph.D.
Academic experience: Two decades
Specialization: Management of Problematic Soils, Soil Fertility
Teaching area: Pedology, Problem Soils

Publication in Journals in Journals:

- Martin, Zohmingliana, **Sharma, Y.K.** and Gupta, R.C. (2018) Influence of phosphorus and bio-inoculants on performance of french bean (*Phaseolus vulgaris* L.) *Legume Research*, 41(4): 594-597.
- Singh, S.P., Patel, Pushpendra Kumar, Patel, Chanchala Rani, Paikra, K.K. and **Sharma, Y.K.** (2018) Soil test crop response based fertilizer recommendation under integrated plant nutrient supply for rice-wheat cropping system in Inceptisols of Raigarh, Chhattisgarh. *Annals of Plant and Soil Research* 20(2): 153-158.
- Gadi, Yabi, **Sharma, Y.K.**, Sharma, S.K. and Bordoloi, Jurisandhya (2018) Influence of phosphorus and potassium on performance of green gram (*Vigna radiata* L.Wilczek) in Inceptisols of Nagaland. *Annals of Plant and Soil Research* 20(2): 120-124.
- Singh, S.P. Parmanand, Choudhary, Manisha, Patel, Chanchala Rani, Paikra, K.K. and **Sharma, Y.K.** (2018) Assessment of nutrient deficiencies in rice (*Oryza sativa*) through nutrient omission in Vertisol and Inceptisol of Chhattisgarh. *International Journal of Current Microbiology and Applied Sciences* 7(7): 3525-3533.

- Lalhruaizeli, **Sharma Y.K.** and Sharma S.K. (2017) Response of tomato (*Lycopersicon esculentum* Mill.) to lime and potassium under acidic soil condition. *Annals of Plant and Soil Research* 19(1):89-94.
- Sharma, Y.K.** (2017) Efficacy of *Eisenia foetida* species of Earthworm and Quality of Vermicompost in Relation to Plant Residues. *Technofame* 6:127-132.
- Poji, Issactho, **Sharma, Y.K.** and Sharma, S.K. (2017) Fertility status and forms of acidity in soils of Phek district of Nagaland in relation to land use systems. *Annals of Plant and Soil Research* 19(3): 260-265.
- Sangtam, Chemlila, **Sharma, Y.K.** and Sharma, S.K. (2017) Fertility status and forms of acidity in soils of Tuensang district, Nagaland in relation to land use systems. *Journal of the Indian Society of Soil Science*, 65 (4): 387-392.
- Singh, Surrender, Singh, V.P., **Sharma, Y.K.** and Sharma, J.P. (2016) Influence of zinc and copper application on performance of tomato. *Environment & Ecology* 34 (4A): 1508-1512.
- Borang, Beauty, **Sharma, Y.K.** and Sharma, S.K. (2016) Effect of various substrates on performance of earthworm and quality of vermicompost. *Annals of Plant and Soil Research* 18(1):37-42.
- Kumar Yogesh, Singh, S.P., Singh, V.P. and **Sharma, Y.K.** (2015) Response of wheat cultivars to potassium under alluvial soil condition. *Environment and Ecology* 33(2):744-748.
- Kumar Yogesh, Singh, V.P., Tyagi, D.B. and **Sharma, Y.K.** (2015) Potassium and magnesium requirement of wheat. *Environment & Ecology* 33 (2A): 849- 854.
- Sharma, Y.K.**, Sharma, S.K. and Sharma, A. (2015) Status of available nutrients and potassium fraction in soils of Dimapur, Nagaland in relation to land use systems. *Annals of Plant and Soil Research* 17 (1): 50-54.
- Odyuo, Ekonthung, **Sharma, Y.K.** and Sharma, S.K. (2015) Potassium fractions of soils of SASRD research farm of Nagaland University and response of soybean to potassium. *Journal of the Indian Society of Soil Science* 63 (2):181-185.
- Nyekha, Nusakho, **Sharma, Y.K.**, Sharma, S.K. and Gupta, R.C. (2015) Influence of phosphorus and phosphorus solubilising bacteria on performance of green gram and soil properties. *Annals of Plant and Soil Research* 17 (3): 323-325.
- Sharma, Y.K.** (2015). Micronutrient status of Indian soils and their management for food security. *Proceeding of National Agriculture Meet and National Seminar on Agriculture Development. Organized by Agriculture Alumni Cell, Faculty of Agriculture, S.M.M. Town PG College, Balia (UP), India. Pp35-43.*
- Sharma, Y.K.** (2014) Micronutrient management under various cropping systems in different zones of the country. *Technofame* 3:46-54.

- Singh, V.P. and **Sharma, Y.K.** (2014) Phosphorus and zinc requirement of rice under saline condition. *International Journal of Bio-resource and Stress Management* 5(3):395-399.
- Amer, Watisungla, **Sharma, Y.K.** and Sharma, S.K. (2014) Response of maize to integrated nutrient management in acidic soils of Nagaland. *Annals of Plant and Soil Research* 16(4):349-352.
- Tsanglao, Chenithung T., **Sharma, Y.K.** and Sharma, S.K. (2014) Fertility status and soil acidity under different land use systems in Wokha district of Nagaland. *Journal of the Indian Society of Soil Science* 62(4):414-418.
- Singh, V.P., Pal B. and **Sharma, Y.K.** (2013) Response of rice to nitrogen and zinc application irrigated with saline water. *Environment and Ecology* 31(1A):344-349.
- Sharma, Y.K.**, Sharma, A. and Sharma, S.K. (2013) An appraisal of physico- chemical characteristics and soil fertility status of forest and rice land use systems in Mokokchung district of Nagaland. *Journal of the Indian Society of Soil Science* 61(1):38-43.
- Sharma, Y.K.** (2013) Physicochemical characteristics and nutrient status of hilly soils of Dimapur district of Nagaland. *Technofame* 2(1):34-39.
- Sharma, Y.K.** (2013) Major issues of soil health management in the country. *Nagaland University Research Journal* 6:25-39.
- Sharma, Y.K.** (2013) Fertility status and potassium fractions of acid soils of Mokokchung, Nagaland under some important land use systems. *Annals of Plant and Soil Research* 15(2):87-92.
- Kumar, Rajesh, **Sharma, Y.K.** and Pal, B. (2012) Effect of saline water irrigation and nitrogen on yield and chemical composition of lemon grass and salt balance of sandy loam soil. *Nagaland University Research Communication* 6:118-126.
- Sharma, Y.K.**, Sharma, A. and Sharma, S.K. (2012) Distribution of DTPA- extractable micronutrient cations in soils of Zunheboto District of Nagaland in relation to soil characteristics. *Journal of Interacademia* 16(1):101-108.
- Sharma, Y.K.**, Sharma, S.K. and Sharma, A. (2011) The pH, EC_e, SAR and Ionic Composition of Saturated Extract as Influenced by Gypsum Application in Sodic Soils. *Environment and Ecology* 29(2A):807-810.
- Sharma, Y.K.** and Sharma, A. (2011) Characterization of soils of Aligarh, Uttar Pradesh under intensive cultivation. *Environment and Ecology* 29(2A):811-814.
- Sharma, Y.K.** and Sharma, S.K. (2011) Response of lemon grass (*Cymbopogon flexuosus*) to phosphorus application on a sandy loam soil irrigated with saline water. *Indian Perfumer* 55:50-55.

Amenla, T. **Sharma, Y.K.** and Sharma, S.K. (2010) Characterization of Soils of Nagaland- With special reference to Mokokchung district. *Environment and Ecology*, 28: 198-201.

Sharma, Y.K., Sharma, S.K. and Shah, T. (2008) Effect of boron, sulphur and manganese nutrition along with NPK on yield and mineral composition of toria. *Nagaland University Research Journal*, 5: 48-54.

Sharma, Y.K., Sharma, S.K., Gupta, R.C. and Pal, B. (2008) Effect of phosphorus, zinc and boronated saline-sodic water on growth and yield of palmarosa. *Nagaland University Research Journal*, 5: 74-79.

Sharma, Y.K., Sharma, S.K. and Kumar, R. (2007). Effect of water salinity and N- carriers on performance of lemon grass and properties of sandy loam soil. *Indian Perfumer*, 51:62-65.

Sharma, Y.K. and Pal, B. (2004). Effect of EC, SAR and boron rich water irrigation on composition, uptake of nutrients and Ca/B ratio of palmarosa. *Indian Perfumer*, 48:81-88.

Kumar, R., **Sharma, Y.K.** and Pal, B. (2003). Effect of gypsum application on ECe, pH, SAR and ionic composition of sodic soils. *Journal of Rural and Agriculture Research*, 3:17-21.

Sharma, Y.K. and Pal, B. (2001).Effect of boronated saline – sodic water on herb and oil yield of palmarosa and soil characteristics. *Journal of the Indian Society of Soil Science*, 49:383-385.

Sharma, Y.K. and Pal, B. (2001).Status of nutrients in soils and vetiver roots. *Annals of Plant and Soil Research*, 3:137-139.

Sharma, Y.K. and Pal, B. (2001). Effect of nitrogen and zinc application and boronated saline-sodic water on the herb yield, oil content and nutrient composition of palmarosa. *Indian Journal of Agricultural Sciences*, 71:102-105.

Books:

Book Edited:

Jha, K.K., Sharma, A. and **Sharma, Y.K.** (2011). A book entitled “Technological Interventions and Constraints in Agriculture and Livestock Production” with ISBN: 978-81-922268-1-1 is edited for agricultural professionals. The book is published by The Indian Society for Promotion of Agricultural Sciences (TISPAS), Animal Concern, Circular Road, Dimapur, Nagaland

Jha, K.K., Sharma, A. and **Sharma, Y.K.** (2008). A book entitled “Agricultural Technology Interventions for Socio-Economic Development of Rural Community” with ISBN: 978-81-922268-0-4 is edited for agricultural professionals. The book is published by The

Indian Society for Promotion of Agricultural Sciences (TISPAS), Animal Concern,
Circular Road, Dimapur, Nagaland.

Book Published:

Sharma, Y.K. (2011). A book with ISBN 81-89812-43-0 entitled “Analytical Methods of Soil, Plant, Water and Fertilizers” is published for Agricultural Chemistry and Soil Science students. The book is published by S.S. Publication, Delhi.

Book Chapters

Sharma, Y.K., Jha, K.K., Sharma, A. and Tyagi, D.B. (2011). Bio Fertilizers: A Potential Green Input of Indian Agriculture. In “Technological Interventions and Constraints in Agriculture and Livestock Production” (ISBN: 978-81-922268-1-1). Edited by Jha, K.K., Sharma, A. and Sharma, Y.K., published by The Indian Society for Promotion of Agricultural Sciences (TISPAS), Dimapur. Pp: 48-58.

Safi, S.K., Jha, K.K., Sharma, A., **Sharma, Y.K.** and Tyagi, D.B. (2011). Changing Paradigm of Pesticide Use in Agriculture. In “Technological Interventions and Constraints in Agriculture and Livestock Production” (ISBN: 978-81-922268-1-1). Edited by Jha, K.K., Sharma, A. and Sharma, Y.K., published by The Indian Society for Promotion of Agricultural Sciences (TISPAS), Dimapur. Pp: 72-83.

Gupta, R.C. and **Sharma, Y.K.** (2008). Women in Agriculture: Tussle to Triumph. In “Agricultural Technology Interventions for Socio-Economic Development of Rural Community” (ISBN: 978-81-922268-0-4). Edited by Jha, K.K., Sharma, A. and Sharma, Y.K., published by The Indian Society for Promotion of Agricultural Sciences (TISPAS), Dimapur. Pp: 151-161.

Practical Manual Published:

Sharma, Y.K., Gupta, R.C. and Sharma, S.K. (2012). Practical manual entitled “Introduction to Soil Science” is published for B.Sc.(Hons)Ag. students. The manual is published by the Department of Agricultural Chemistry and Soil Science.

Other Publication:

Sharma, Y.K. (2010). Edited the News Letter of KVK Zunheboto, Nagaland University, Lumami, Nagaland

Sharma, Y.K. (2011). Edited the News Letter of KVK Zunheboto, Nagaland University, Lumami, Nagaland

Sharma, Y.K. (2013). Published five folders viz. (1) NADEP Method of Composting (2) Major Plant Nutrients: Deficiency Symptoms and Management (3) Micro Plant Nutrients: Deficiency Symptoms and Management (4) Collection of Soil Sampling (5) Vermicomposting for I Naga Kheti Mela, organized by SASRD, Nagaland University, Medziphema from 17-19 October, 2013.

Research Guidance

S. No.	Topic of the thesis	Name of the student	Degree	Year of award
1	Study on Acidity Tolerance of Maize and Its Response to Phosphorus and Boron	Merasenla Ao	Ph.D.	On going
2	Response of French Bean to Phosphorus and Sulphur at Different Levels of Aluminium	Beauty Borang	Ph.D.	On going
3	Soil Organic Carbon Fractions under Different Land Uses in Dystrudepts of Nagaland	Jurisandhya Barik Bordoloi	Ph.D.	On going
4	Admitted in 2018	Yabi Gadi	Ph.D.	On going
5	Admitted in 2018	Debalina Biswas	Ph.D.	On going
6	Physico-Chemical Properties of the Soils of Mokokchung, Nagaland	T. Amenla	M.Sc.(Ag)	2007
7	Nutrient Status and Physico-Chemical Properties of Soils of Wokha District, Nagaland under Different Land Use Systems	Chenithung T. Tsanglao	M.Sc.(Ag)	2012
8	Different Forms of Potassium in the Soils of SASRD Research Farm and Response of Soybean to Potassium	Ekonthung Odyuo	M.Sc.(Ag)	2013
9	Effect of Integrated Nutrient Management on Yield and Quality of Maize and Soil Health of Dystrochrepts	Watisungla Amer	M.Sc.(Ag)	2013
10	Physico-Chemical properties of soils of Tuensang District, Nagaland under Different Land Use Systems	Chemlila Sangtam	M.Sc.(Ag)	2014
11	Response of Green Gram (<i>Vigna radiata</i>) to Phosphorus and Biofertiliser Inoculation under Acidic Environment	Nüsakho Nyekha	M.Sc.(Ag)	2014
12	Effect of Various Substrates on Earthworm Density, Biomass and Quality of Vermicompost	Beauty Borang	M.Sc.(Ag)	2015
13	Response of Tomato to Lime And Potassium Application under Acidic Soil Condition	Lalhruaizeli	M.Sc.(Ag)	2016
14	Physicochemical Properties, Fertility Status, Forms of Potassium and Acidity of The Soils of Mon District, Nagaland under Forest and Cultivated Land Use Systems	Leiwang Konyak	M.Sc.(Ag)	2016
15	Physicochemical Properties, Nutrient Status and Acidity of the Soils of Phek District, Nagaland under Forest and Cultivated Land Use Systems	Issactho Poji	M.Sc.(Ag)	2016
16	Influence of Phosphorus and Bio-Inoculants on Performance of French Bean	Martin Zohmingliana	M.Sc.(Ag)	2016
17	Characterization of the Soils of Longleng District, Nagaland under Different Land Use Systems	Langnyei Angh	M.Sc.(Ag)	2017
18	Effect of Fertility Levels on the Performance of Maize	K. Ngosai	M.Sc.(Ag)	2017
19	Response of Green Gram to Phosphorus and Potassium in Foothill Condition of Nagaland	Yabi Gadi	M.Sc.(Ag)	2017
20	Potassium Fractions In Relation to Soil Depth of	Tolibo H. Achumi	M.Sc.(Ag)	2018

21	Zunheboto District, Nagaland Response of Green Gram (<i>Vigna radiata</i> L.) To Fertility Levels with and Without Lime	Zanbeni. R. Odyuo	M.Sc.(Ag)	2018
22	Physicochemical Properties and Nature of Acidity of the Soils of Mokokchung District, Nagaland In Relation To Land Use Systems	Loktimen Longchari	M.Sc.(Ag)	2018

Seminar/ Symposium/ Workshop Attended:

Sharma, Y.K. (2008) Attended a national Seminar on “Promotion of Library Automation and Networking in North Eastern Region” organized by Information and Library Networking Center (INFLIBNET) Ahmedabad & Nagaland University from 6-7 November.

Sharma, Y.K. (2010) Attended national Conference on KVK organized by MPUAT, Udaipur from 22 to 24 December.

Sharma, Y.K. (2011) Attended a National Workshop on “Linking small time entrepreneurs with Govt. schemes and markets” organized by NRC Mithun, Jharnapani, Nagaland on 4th March.

Sharma, Y.K. (2011) Attended a national Seminar on “Women in scientific research – examining the challenges and identifying their needs” organized by Department of Chemistry, Nagaland University, Lumami held on 23-24 August.

Sharma, Y.K. (2011) Attended national Conference on KVK organized by JNKVV, Jabalpur from 3 to 5 December.

Sharma, Y.K. (2014) Participated in National Seminar on “Emerging Challenges and Prospective Strategies for Hill Agriculture in 2050” organized by Indian Association of Hill Farming and ICAR, Jharnapani, on 23-25, January.

Presented in Seminar/ Symposium/ Workshop:

Sharma, Y.K. (2002) Paper “Nutrient Requirement of Palmarosa Irrigated with Poor Quality Water” presented in National Workshop on “Role of Biotechnology in Women Upliftment in the New Millennium” organized by department of Botany, RBS College, Agra on 24-25 January,.

Sharma, Y.K. (2007) Paper entitled “Reclamation of Sodic Soils for Food Security” presented in National Seminar on “Impact of Agricultural Technology on Socio Economic Development of Rural Community” organized by The Indian Society for Promotion of Agricultural Sciences (TISPAS), Dimapur, Nagaland. held on 27th October.

Sharma, Y.K. (2010) Paper entitled “Emerging Issues of Soil Fertility Management in the Country” presented in National Seminar on “Sustainable Natural Resources and its Utilization for Enhancing the Agricultural Productivity in India” organized by Department of Agril. Economics, SASRD, Nagaland University, Medziphema from 17-19 November.

Sharma, Y.K. (2010) Paper entitled “Soils of Nagaland – Physico-Chemical Characteristics” presented in National Seminar on “Sustainable Natural Resources and its Utilization for Enhancing the Agricultural Productivity in India” organized by Department of Agril. Economics, SASRD, Nagaland University, Medziphema from 17-19 November.

- Sharma, Y.K.** (2012) Paper entitled “Challenges of Fertility Management in India” presented in national Seminar on “Materials Science” organized by Department of Chemistry, Patkai Christian College, Chumukedima, Nagaland from 17-18 Feb.
- Sharma, Y.K.** (2012) Paper entitled “Integrated Plant Nutrient Management: A Tool for Sustainable Crop Production and Environment Protection” Presented In an International Conference On “Biodiversity Conservation and Environmental Health” organized by Department of Life Sciences and Bioinformatics, Assam University, Silchar held on 16-17 March.
- Sharma, Y.K.** (2012) Consultant of Soil Science in Agri Clinic of North East Region Agri Expo, organized by Government of Nagaland on 15-17 November.
- Sharma, Y.K.** (2013) A paper “Integrated Nutrient Management for Minimization of Soil Pollution” presented in National Seminar on “Climate Change and Biodiversity” organized by department of Botany, RBS College, Agra on 03-04 March.
- Sharma, Y.K.** (2014) Paper “ Soil Fertility Management in Organic Farming” presented in national seminar on “Organic Farming in India: Prospects and Challenges with Special Reference to North-East India” organized by department of Botany, Standard College, Kongba, Imphal on 29-30 March.
- Sharma, Y.K.** (2015) Paper “Response of Maize to Integrated Nutrient Management in Acidic Soils” presented in international seminar on “Technological Interventions in Agricultural Sciences for Enhanced Productivity, Nutritional Quality and Value Addition” organized by Central Institute of Horticulture, Dimapur, Nagaland on 17-19 February.
- Sharma, Y.K.** (2015) Paper “Challenges of Soil Fertility Management in Organic Farming” presented in international seminar on “Technological Interventions in Agricultural Sciences for Enhanced Productivity, Nutritional Quality and Value Addition” organized by Central Institute of Horticulture, Dimapur, Nagaland on 17-19 February.
- Sharma, Y.K.** (2015) Paper “Soil Fertility Status in the Country and Its Management in Organic Farming” presented in national seminar on “Globalization, Development and Environment with Special Reference to North East Region” organized by Nagaland University, Lumami on 19-20 March.