

PROFORMA OF FACULTY PROFILE



Name - Dr. Amarendra Kumar Singh

Current designation - Associate Professor

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Contact address –

Deptt. of Agricultural Chemistry and Soil Science

School of Agricultural Sciences and Rural Development

Nagaland University, Medziphema

Nagaland - 797 106

Contact No. – 09436075153, 8974055853

Date of joining the institution – 15/02/2000

Education - M.Sc. (Ag), Ph.D. (B. H. U., Varanasi)

Academic experience - >18 years

Research areas/field of specialization – Soil Fertility

Teaching areas – Soil Fertility and Nutrient Management

Publications -

Publications in Journals -

Basha I. J., **Singh A. K.**, Ao Engrala and Gupta R. C. (2018). Evaluation of Udaipur rock phosphate as phosphorus fertilizer in soybean (*Glycine max* L. Merrill) grown on acid upland soils of Nagaland. *Journal of the Indian Society of Soil Science*, 66 (1): 83 – 88.

Longkumer, L. T., Singh A. K. and Jamir Z. (2017). Effect of sulphur and boron nutrition on yield and quality of soybean grown in an acid soil. *Communications in Soil Science and Plant Analysis*, **48**, 405 - 411. **Impact factor** – **0.589**

Konyak, M. M., **Singh, A. K.** and Mere V. (2016). Effect of sulphur and cobalt on yield and oil quality of soybean. *Journal of the Indian Society of Soil Science*, 64 : 201-204

Ngullie E., Singh A. K. and Sema Akali (2015). Citrus growth and rhizosphere properties. *Communications in Soil Science and Plant Analysis*, **46**, 1540-1550. **Impact factor** – **0.589**

Konyak, M. M., **Singh, A. K.** and Mere V. (2016). Effect of sulphur and cobalt on yield and oil quality of soybean. *Journal of the Indian Society of Soil Science*, **64**: 201-204

Mere, V. and **Singh, A. K.** (2015). Evaluation of nutrient content in soybean growing areas of Kohima and Dimapur districts of Nagaland. *Agropedology* **25**, 218-225.

- Ezung Lanrhonthung, **Singh A. K.**, Bordoloi J. B. and Sharma S. K. (2015). Effect of nutrient management practices on growth, yield and quality of greengram (*Vigna radiata* L. Wilczek) grown in acid soils of Nagaland. *Journal of Soil and Crops*, 40-44.
- Singh, A.K.**, Bordoloi,L.J., Manoj-Kumar, Hazarika, S. and Parmar, Brajendra (2014). Land use impact on soil quality in eastern Himalayan region of India. (DOI 10.1007/s10661-013-3514-7). *Environmental Monitoring and Assessment*, 186 (4): 2013-2024. **Impact Factor – 1.59.**
- Singh, A. K.**, Singh, P. K., Manoj-Kumar, Bordoloi, L. J. and Jha, A. K. (2014). Nutrient management for improving mungbean (*Vigna radiata*) productivity in acidic soil of northeast India. *Indian Journal of Hill Farming*, 27 (1): 62-71.
- Singh, A. K.** and Bordoloi, L. J. (2014). Comparative study of soil fertility status under horticulture based land use systems in two different altitudes of Nagaland. *Journal of the Indian Society of Soil Science*, 62(1): 75-79.
- Bhattacharjee, S. **Singh, A. K.**, Manoj-Kumar and Sharma, S. K. (2013). Phosphorus, sulphur and cobalt fertilization effect on yield and quality of soybean (*Glycine max* L. Merrill) in acidic soil of northeast India. *Indian Journal of Hill Farming*, 26 (2): 63-66.
- Sentimenla, **Singh, A. K.**, Singh, Mandhata and Gupta, R. C. (2013). Effect of phosphorus and boron on production potential, profitability and efficiency indices of soybean. *Soybean Research*, 11 (2): 79-85.
- Bordoloi, L. J., **Singh, A. K.**, Manoj-Kumar, Patiram and Hazarika, S. (2013). Evaluation of nitrogen availability indices and their relationship with plant response on acidic soils of India. *Plant, Soil and Environment*, 59(6): 235-240. **Impact Factor – 1.1**
- Bordoloi, L. J., **Singh, A. K.**, Manoj-Kumar, Patiram and Hazarika, S. (2013). Microbial biomass nitrogen as an index of N availability in acidic soils of north east India. *Indian Journal of Hill Farming*, 26 (1): 22-28.
- Mere, V., **Singh, A. K.** Singh, Mandhata, Jamir, Zulutemjen and Gupta, R. C. (2013). Effect of nutritional schedule on productivity and quality of soybean varieties. *Legume Research*, 36(6): 528-534. **Impact Factor – 0.59**

- Sentimenla, **Singh, A. K.** and Singh, S. (2012). Response of soybean to phosphorus and boron fertilization in acidic upland soil of Nagaland. *Journal of the Indian Society of Soil Science*, 60(2): 167-170.
- Awomi T.A., **Singh A.K.**, Manoj-Kumar, Bordoloi L.J. (2012); Effect of phosphorus, Molybdenum and Cobalt Nutrition on Yield and Quality of Mungbean (*Vigna radiata*) in Acidic Soil of Northeast India. *Indian Journal of Hill Farming* 25(2): 22-26.
- Kikon, Y.Y., **Singh, A. K.** and Singh, V. B. (2012). Nutrient budgeting under coconut-based Patchouli farming system on hapludalf. *Journal of Plant Nutrition* (USA), 35: 975-989. **Impact Factor – 0.5**
- Singh, A. K.**, Singh, Mandhata, Singh, P. K., Sharma, S. K. and Gupta, R. C. (2012). Effect of integrated management on growth, yield, quality and economics of soybean (*Glycine max* L.). *Journal of Oilseed Research*, 29(2):121-124.
- Yeptho, K., A., **Singh, A. K.**, Kanaujia, S. P. and Singh, V. B. (2012). Quality production of *kharif* onion (*Allium cepa*) in response to biofertilizers inoculated organic manures. *Indian Journal of Agricultural Sciences*, 83(3): 236-240. **Impact Factor – 0.1**
- Singh, A. K.** and Bordoloi, L. J. (2011). Study on soil fertility variation as influenced by Land Use System and soil depth interaction in acidic hill soils of Nagaland. *Journal of the Indian Society of Soil Science*, 59(2): 198-204.
- Awomi, T. A., **Singh, A. K.**, Singh, A. P. and Bordoloi, L. J. (2011). Effect of phosphorus, molybdenum and cobalt on growth, yield and nutrient content of mungbean (*Vigna radiata* L. Wilczek) and soil fertility. *Journal of Soils and Crops*, 21(2): 158-164.
- Sema, A., Maiti, C. S., **Singh, A. K.** and A. Bendangsengla (2010). DRIS nutrient norms for pineapple on Alfisols of India. *Journal of Plant Nutrition* (USA), 33: 1384-1399. **Impact Factor – 0.5**
- Talimongba, **Singh, A. K.** and Singh, V. B. (2008). INM for quality production of ginger (*Zingiber officinale* Rose) on acid Alfisol. *Tropical Agriculture* (Trinidad), 85(2): 133-141.

Chauhan, B. S., Zhiete, Manoj Dutta and **A. K. Singh** (2007). Effect of simulated erosion and nitrogen levels on soil fertility determinants under foothill condition. *Environment and Ecology*, 25S (1): 94-97.

Zhiete, B. S. Chauhan, **A. K. Singh** and Manoj Dutta (2007). Effect of simulated erosion and nitrogen levels on the performance of soybean (*Glycine max* Merr.) in foot-hill condition. *Environment and Ecology*, 25S (1): 102-106.

Ezung, Khumdemo, Singh, M., Ahmed, P. and **Singh, A. K.** (2006). Yield, N uptake and economics of rice as influenced by nitrogen levels and spacing under terrace cultivation in Nagaland. *Annals of Plant and Soil Research* 8(1): 75-76.

Laltlanmawia, L., **Singh, A. K.** and Sharma, S. K. (2005). Effect of phosphorus and molybdenum nutrition on growth, yield and nutrient content of soybean in an Alfisol of Nagaland. *Annals of Agricultural Research*, 26 (4): 591-595.

Laltlanmawia, L., **Singh, A. K.** and Sharma, S. K. (2004). Effect of phosphorus and molybdenum on yield, protein content and nutrient uptake by soybean on acid soil of Nagaland. *Journal of the Indian Society of Soil Science* 52 (2): 199-202.

Book chapters/Book

Singh, A. K. and Singh, V. B. (2006). Significance of Liming in Horticultural Crop Production. Horticulture for Sustainable Income and Environmental Protection. Vol.1, Advances in Horticultural Practices, Fruits and Ornamentals (edited by V.B. Singh, K. Akali Sema and Pauline Alila), Concept Publishing Company, New Delhi, p-88-93.

A. K. Singh, Perves Ahmed and T. Amenla Longchar (2006). Efficient Management of Soils of Nagaland for Sustainable Crop Production. Economic Development in Nagaland, Prospects and Constraints, NUTA, Nagaland University, p 172-188.

Onion Nutrition

A. K. Singh, Ethel Ngullie and V. B. Singh
Lambert Academic Publishing GmbH & Co. KG, Saarbruken, Germany (2012).

Response of Soybean to Sulphur and Molybdenum Fertilization

Imlinukshi Kichu and **A. K. Singh**
Lambert Academic Publishing GmbH & Co. KG, Saarbruken, Germany (2013).

Response of Soybean to Sulphur and Boron Nutrition

L. T. Longkumer, **A. K. Singh** and R. C. Gupta

Lambert Academic Publishing GmbH & Co. KG, Saarbrücken, Germany (2013).

Other publications -

Cultivation Practices of Soybean – Booklet in English and local languages (authored by A. K. Singh and L. Tongpong Longkumer), AICRP on Soybean, Medziphema Sub Centre, Nagaland University.

Cultivation Practices of Linseed – Booklet in English and local language (authored by L. Tongpong Longkumer and A. K. Singh), AICRP on Linseed, Medziphema, Nagaland University.

Soybean in Nagaland - 2012 (authored by Mandhata Singh, Sunil Kumar and **A. K. Singh**)
All India Coordinated Research Project on Soybean, SASRD, Nagaland University,
Sub Centre – Medziphema.

Soil Fertility and Fertilizers – 2012 (edi. **A. K. Singh**, S. K. Sharma and R. C. Gupta)
Deptt. of Agril. Chemistry and Soil Science, School of Agril. Sciences and Rural
Development, Nagaland University, Medziphema.

Methods Manual on Soil and Plant Analysis – 2012 (edi. **A. K. Singh**, Mandhata Singh,
Sunil Kumar and Zulutemjen Jamir). All India Coordinated Research Project on
Soybean. Deptt. of Agril. Chemistry and Soil Science, School of Agril. Sciences and
Rural Development, Nagaland University, Medziphema.

Handling of research/ development project/ consultancy

Projects Completed

ICAR Ad-hoc Research Scheme entitled “Survey of nutrient status in pineapple cv. Giant Kew growing under foothill condition of Nagaland” from February 2002 to 2005.
(Associating Scientist)

“Production of organic manures and vermicompost” to create awareness among young farmers and women at Agri. Expo site during Oct. 30-Nov. 1, 2006, Dimapur and SASRD, Nagaland University approved by Ministry of DONER, Govt. of India.
(Programme Officer)

National Agricultural Innovation Project (NAIP) on “Livelihood Improvement and Empowerment of Rural Poor through Sustainable Farming Systems in North East India” at Mon, Nagaland from August 2007 – March, 2014. (Cooperating Scientist)

Projects on going

Scientist In Charge - All India Coordinated Research Project on Soybean since 26 – 04 - 2010.

Co Project Charge - All India Coordinated Research Project on Linseed since Feb. 2018

Funding agency – ICAR New Delhi

Duration – Cont...

Research guidance

Sl . No.	Title	Name of the student	Degree	Year of Award
1.	Effect of Integrated Nutrient Management on Growth, Yield, Nutrient Uptake and Storage Life of Onion Joint Supervisor	Ethel Ngullie	Ph. D	2013
2.	Evaluation of Soil Nitrogen Availability Indices and Kinetics of N Release from Organic and Inorganic Inputs in Maize (<i>Zea mays</i>)	Lahar Jyoti Bordoloi	Ph. D	2014
3.	Effect of Lime, Farmyard Manure and Fertilizers on Growth, Yield and Quality of Soybean (<i>Glycine max</i> L.) in Acid Soils of Nagaland	Vibeilie Mere	Ph. D	2016
4.	Response of Soybean (<i>Glycine max</i> L. Merrill) to Organic sources of Nutrient	Rovizelhou Kuotsu	Ph. D	2018
5.	On going Ph. D. - 2		Ph. D	

Sl. No.	Title	Name of the student	Degree	Year
1.	Studies on Phosphorus and Molybdenum Application on Nodulation, Growth, Yield and Quality of Soybean (<i>Glycine max</i> L.) in Acid Soils of Nagaland (Major Co-advisor)	K. Laltnanmawai	M.Sc (Ag)	2002
2.	Effect of Phosphorus, Sulphur and Cobalt on Nitrogen Acquisition Efficiency of Soybean (<i>Glycine max</i> L.)	Saraj Bhattacharjee	M.Sc (Ag)	2008
3.	“Studies on Phosphorus, Molybdenum and Cobalt Application on Growth, Yield and Quality of Mungbean (<i>Vigna radiata</i>)	T. Alben Awomi	M.Sc (Ag)	2008
4.	Effect of Phosphorus and Boron on Growth, Yield and Quality of Soybean (<i>Glycine max</i> L. Merrill)	Sentimenla	M.Sc (Ag)	2010
5.	Effect of Organic and Inorganic Fertilizers on Growth, Yield and Quality of Different Varieties of Soybean (<i>Glycine max</i>)	Vibeilie Mere	M.Sc (Ag)	2012
6.	Effect of Sulphur and Boron on Growth, Yield and Quality of Soybean (<i>Glycine max</i>)	Limaakum T. Longkumer	M.Sc (Ag)	2012
7.	Study on Sulphur and Molybdenum Application on Nodulation, Growth, Yield and Quality of Soybean (<i>Glycine max</i>)	Imlinukshi Kichu	M.Sc (Ag)	2013
8.	Effect of Anti-transpirants and Mulches on the yield and quality of Soybean (<i>Glycine max</i> L. Merrill)	Imliwati Jamir	M.Sc (Ag)	2013
9.	Effect of Integrated Nutrient Management on Growth, Yield and Quality of Soybean (<i>Glycine max</i>)	Rovizelhou Kuotsu	M.Sc (Ag)	2014
10.	Effect of Organic and Inorganic Fertilizers on Growth, Yield and Qualities of Different Varieties of Greengram (<i>Vigna radiata</i>)	Lanrhonthung Ezung	M.Sc (Ag)	2014
11.	Effect of Sulphur and Cobalt on Growth, Yield and Quality of Soybean (<i>Glycine max</i>)	Methsak Minlei Konyak	M.Sc (Ag)	2015
12.	Evaluation of Udaipur Rock phosphate as a Source of Phosphorus to Soybean (<i>Glycine max</i> L. Merrill)	Injeti Jaleel Basha	M.Sc (Ag)	2016
13.	Effect of Potassium and Sulphur on Growth, Yield and quality of Soybean (<i>Glycine max</i> L. Merrill)	Chanbemo Lotha	M.Sc (Ag)	2016

14.	Effect of Fertilizers and Microbial Inoculants on Growth, Yield and Quality of Soybean (<i>Glycine max</i> L. Merrill)	Aliho Shikhu	M.Sc (Ag)	2016
15.	A Study on the Physicochemical of Properties of Soils Under Rice Cultivation in Kiphire District of Nagaland	Kihika G	M.Sc (Ag)	2017
16.	Effect of Lime and Farm Yard Manure on Growth, Yield and Quality of Soybean (<i>Glycine max</i> L. Merrill)	Avini-e Nakhro	M.Sc (Ag)	2017
17.	Response of Soybean (<i>Glycine max</i> Merrill) to Foliar Application of Nutrients	Lakshmy M P	M.Sc (Ag)	2018
18.	Effect of Phosphorus and Sulphur on Growth, Yield and Quality of Mungbean (<i>Vigna radiata</i> L. Wilczek)	Evaliesa E. Marbaniang	M.Sc (Ag)	2018
19.	A Study on Physicochemical Properties of Soils of Kohima District		M.Sc (Ag)	Submitted
20.	Ongoing M. Sc (Ag) - 6		M.Sc (Ag)	

Seminar/ Conference attended

1. International Symposium on Balanced Fertilization for Sustaining Crop Productivity, Deptt. of Soils, PAU, Ludhiana , Nov. 22-25, 2006 .
2. 73rd Annual convention of Indian Society of Soil Science held at UAS, Bangalore during Nov. 27-30, 2008.
3. International conference on “Managing Sustainable of Rural Economy and Agri Business” Deptt. of Agricultural Economics, I.Ag.Sci., BHU, Varanasi, from 21st – 23rd January, 2011
4. 76th Annual Convention of Indian Society of Soil Science, Dharwad Chapter of Indian Society of Soil Science, University of Agricultural Sciences, Dharwad, November 16 - 19, 2011 .
5. The 8th International Symposium, on Plant-Soil interactions at low pH, held at University of Agricultural Sciences, Bengaluru, India from 18th – 22nd October, 2012.
6. Effect of Organic and Inorganic Fertilizers on Growth, Yield and Quality of Mungbean. Annual Convention of ISSS, Hyderabad, Nov. 24 – 27, 2014.

Any other information

Associate Editor

Journal of Soils and Crops (CAB International abstract and NAAS rated Journal)

(Amarendra Kumar Singh)