

## Curriculum Vitae

Dr. POOJA

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### EDUCATION

- **Post Doctorate (2019)**, Indian Agricultural Research Institute, India
- **Ph.D. (2015)**
  - **Thesis:** “Impact of Land Use Changes and Organic Amendments, on Soil Carbon&Nitrogen Dynamics”
  - School of Environmental Sciences, Jawaharlal Nehru University (JNU) New Delhi,
- **M.A. Environment Economics, (2010)**
  - Annamalai University, Annamalai Nagar-608002, Tamil Nadu.
- **M.Sc. Environment Management, (2008)**
  - Guru Gobind Singh Indraprastha University (G.G.S.I.P.U), Kashmiri Gate, New Delhi -110006.
- **P.G. Diploma in Environmental Law, (2008)**
  - Indian Law Institute, Bhagwan Dass Road, New Delhi-110001.
- **B. Sc. (H) Applied Zoology, (2006)**
  - Dayal Singh College, Delhi University (DU), Lodhi Road, New Delhi -110003.

### FELLOWSHIPS & AWARDS

- Awarded ‘Indo- Finnish Fellowship’ for Doctoral Research in Finland for six months duration, Oct. 2013 to Mar. 2014.
- Awarded National Post Doctoral Fellowship (DST) Govt of India 2017,
- Selected as fellow for ‘1<sup>st</sup> Urban Habitat Summit India-2009’.
- 2<sup>nd</sup> Best Poster Award at ‘International Conference on Preparing Agriculture for Climate Change- 2011’
- Junior Research Fellowship & Lectureship, June. 2009, University Grant Commission, India.
- State Lectureship Test, 2008, Himachal Pradesh Public Service Commission, India.

## DISSERTATIONS

- **Ph.D.** “Impact of Land Use Changes and Organic Amendments, on Soil Carbon-Nitrogen Dynamics” Supervisor: Dr. Sudip Mitra, JNU, (2015)
- **M.Sc.** “Water Quality Analysis of River Yamuna, India” Supervisor: Dr Anshu Gupta (G.G.S.I.P.U) (Jan.- Jun. 2008)
- **M.Sc.** “Base-line Study of Thermal Power Plant, Talwandi Saboo Punjab, India” Supervisor: Dr P.C. Jha (Desein Private Limited) (Jul.-Aug. 2007)

## PROFESSIONAL

- ✓ Currently working as Assistant Professor at Amity University, Noida, India ( till date).
- ✓ Worked as a Senior research fellow at Indian Agricultural Research Institute (IARI), New Delhi, India. 21.12.2015 to 31.3.2017.
- ✓ Worked as Trainee, with Legal Cell in ‘Delhi Pollution Control Committee’, Kashmeri Gate, New Delhi-110006, India ( Jan. 09- Jan. 10).

## CONFERENCES & WORKSHOPS Attended

- Training Workshop on ‘Disaster Management’, Feb. 2007.
- Training Workshop on ‘Quality Control Management’ ISO : 9001. Jun. 2007
- ‘1<sup>st</sup> Urban Habitat Summit’ Oct. 2009.
- International conference on ‘Preparing Agriculture for Climate Change’ Feb. 2011.
- Indian Youth Science Congress Oct. 2011.
- Short Term Basic Training on ‘Gas Chromatograph’, Sep. 2012.
- E- course on “ Carbon Monitoring in CDM Afforestation and Reforestation” The World Bank Institute (WBI).
- National Workshop on ‘Plagiarism’ JNU, May 2014.
- 16<sup>th</sup> Annual Conference of the International Association for Mathematical Geosciences (IAMG), Oct. 2014.
- Tropical Ecology Congress (TEC), Dec. 2014.
- International Conference on Emerging Trends in Biotechnology (ICETB). Nov. 2014.

## PUBLICATIONS

- Borah P, **Singh P**, Rangan L, Karak T, Mitra S. (2018) . Mobility, bioavailability and ecological risk assessment of cadmium and chromium in soils contaminated by paper mill wastes. *Groundwater for Sustainable Development* 6 189–199.
- **Singh P**, Mitra S, Majumdar D, Bhattacharyya P, Prakash A, Borah P, Paul A, Rangan L (2017). Nutrient and enzyme mobilization in earthworm casts: A comparative study with addition of selective amendments in undisturbed and agricultural soils of a mountain ecosystem. *International Journal of Biodeterioration & Biodegradation*. 119,437-447.
- Sudip Mitra, **Pooja** et al., (2016). Can rice and wheat biochar amendment protect the carbon loss from tropical soils – an experimental study.” *Environmental Progress & Sustainable Energy* . 35(1), 183-188.
- **Pooja Singh**, Jaakko Heikkinen, Kristiina Regina et al. (2015) “Tillage and crop residue management methods had minor effects on the stock and stabilization of topsoil carbon in a 30-year field experiment” *Science of the Total Environment* 518–519,337–344,.
- Mahesh C Meena, PD Meena, AK Shukla, Mandira Barman, MK Meena, **Pooja Singh** and Arvind Kumar (2016). Role of plant nutrients in enhancing productivity and managing diseases of oilseed Brassica. *Journal of Oilseed Brassica*, 7 (1) : 1-20.
- Mishra S N, Mitra S, Rangan L, Dutta S and **Singh P.** (2012) “Exploration of 'hot-spots' of methane and nitrous oxide emission from the agriculture fields of Assam, India”. *Agriculture & Food Security*, 1-16.

## CONFERENCE PROCEEDINGS

- **P. Singh**, J. Heikkinen, S. Mitra,, K.Regina. “Impact of Tillage and Residue Management Practices on Soil Aggregates and Soil Organic Carbon. Geostatistical and Geospatial Approaches for the Characterization of Natural Resources in the Environment : Challenges, Processes and Strategies” N. J. Raju(ed)© 2014, *Capital Publishing Company*, ISBN 978-93-81891-25-4. Pages 221- 223, 2014.
- Mitra S, **Pooja**, Manzoor, S., Bera, T. and Patra, A.K. “ Differential effects of biochar on soil organic carbon dynamics in two agricultural soils”. *Proc. of 3<sup>rd</sup> International Conference on Conservation Agriculture in Southeast Asia, Hanoi, Vietnam*, 229-231. 10-15 Dec., 2012. ISBN CIRAD: 978-2-87614-687-7

## POSTER PRESENTATION and ABSTRACT PUBLISHED in INTERNATIONAL CONFERENCES

- **Pooja** and Sudip Mitra. “Policy intervention for mitigating the effects of climate change”. *International conference on ‘Preparing Agriculture for Climate Change’* PAU, Feb. 2011
- **Pooja** and Sudip Mitra . “Effect of indigenous amendments on the enzymatic and chemical characteristics of earthworm *Esienia fetida* casts developed under different land use soils” *International Conference on Emerging Trends in Biotechnology (ICETB)*. JNU, Nov. 2014.
- **Pooja** and Sudip Mitra. “Carbon and nitrogen dynamics in soils amended with organic residues under different landuses” *Tropical Ecology Congress (TEC)*, JNU, Dec. 2014.
- **Pooja Singh** “Long term impact of tillage and residue management practices on soil aggregate stability and soil organic carbon”, *16<sup>th</sup> Annual Conference of the International Association for Mathematical Geosciences (IAMG)*, Oct. 2014 (Oral presentation).
- Kristiina Regina, **Pooja Singh**, Jaakko Heikkinen, Elise Ketoja, Visa Nuutinen, Ansa Palojarvi, Jatta Sheehy, Martti Esala, Sudip Mitra, Laura Alakukku, “Thirty Years of Reduced Tillage or Straw Management Had Minor Effects on Soil Carbon Sequestration”. *Nordic view to sustainable rural development NJF 25<sup>th</sup> Congress* June. 2015

### Referees

#### 1) Dr. Kristiina Regina

**Designation : Professor**

**Department : Natural Resources Institute Finland (Luke)**

**Email Address : [kristiina.regina@luke.fi](mailto:kristiina.regina@luke.fi)**

#### 2) Dr. Sudip Mitra.

**Designation : Associate Professor**

**Department : Centre for Rural Technology (CRT)**

**Indian Institute of Technology (IIT) Guwahati**

**North Guwahati, Assam-781039, India.**

**Email Address: [Sudipmitra@yahoo.com](mailto:Sudipmitra@yahoo.com)**