

PROFILE OF DR MANOJ DUTTA



Name : **MANOJ DUTTA**
Current Designation : Professor
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Contact Address : Department of Soil and Water Conservation,
School of Agricultural Sciences, Medziphema
Campus, Nagaland University, Medziphema
797106, Nagaland
Contact No. (+91)9436262613, (M)
Date of Joining the Institution : 10-04-1997

Education:

Examination Passed	Board/ University	Year of Passing	Division/ Class	% of Marks	Subjects Taken
HSLC	SEBA	1984	I	72.23	Ass, Eng, Maths, Sci, Sanks, SS, Ad Maths
HS (Sc.)	AHSEC	1987	I	63.00	Ass, Eng, Phy, Chem, Bio, Maths
B.Sc. (Agri.)	AAU	1992	I	72.85	Agriculture with elective on Soil Science
M.Sc.(Agri.)	AAU	1994	I	82.20	Major: Soil Science, Minor: Agronomy
NET(ICAR)	ASRB	1996			Soil Science/ Soil Physics/ Soil and Water Conservation
Ph. D.	NU	2010			Soil Conservation

Title of Ph. D. Thesis : Effect of nutrient management practices on the status and quality of soil fertility determinants and performance of upland rice

(*Oryza sativa* L.) on newly constructed bench terraces.

Academic Experience:

Sl. No.	Employer	Designation and Place work	Period (From-to)
1	Director of Research (Agri.), Assam Agricultural University, Jorhat-785 013	Research Fellow, Assam Agricultural University, Jorhat-785 013	20-02-1996 to 19-03-1997
2	Vice- Chancellor, Nagaland University, Kohima- 797 001, Nagaland	Senior Technical Assistant, Department of Soil and Water Conservation, Nagaland University	10-04-1997 to 20-09-2000
3	Vice- Chancellor, Nagaland University, Kohima- 797 001, Nagaland	Lecturer/Assistant Professor Department of Soil and Water Conservation, Nagaland University	21-09-2000 to 20-09-2014
4	Vice- Chancellor, Nagaland University, HQ. Lumami Nagaland	Associate Professor Department of Soil and Water Conservation, Nagaland University	21-09-2014 to 20-09-2017
4	Vice- Chancellor, Nagaland University, HQ. Lumami Nagaland	Professor Department of Soil and Water Conservation, Nagaland University	21-09-2017 to till date

Research Areas/ Field of Specialization : Soil fertility, Soil Physics and Soil and Water Conservation

Teaching Areas:

Soil degradation, conservation and restoration, Soil fertility and water management, Soil conservation methodology, Soil conservation agronomy, Conservation agriculture, Watershed management, Environment, pollution and management, Irrigation water quality

Publication in Journals:

1. Wonchibeni N Odyuo, **Manoj Dutta** and Alongba Jamir (2023). Effect of forest litter on the important soil properties and performance of upland rice in Nagaland. *Indian Journal of Hill Farming*, 36 (2): 97-104.
2. Reshinaro Tzudir, **Manoj Dutta**, Sewak Ram, Rizongba Kichu and Hapemo Ngullie K. (2023). Soil Erodibility Characteristics under different Land Uses in Dhansiripar, Nagaland. *Biological Forum- An International Journal*, 15 (4): 162-165.
3. Angela Pidenro, **Manoj Dutta**, Sewak Ram, Jurisandhya Barik Bordoloi, Alongba Jamir and Hapemo Ngullie K. (2023). Evaluation of Soil Erodibility status under different Land Uses in Sechu-Zubza subdivision of Kohima, Nagaland. *Biological Forum- An International Journal*, 15 (3): 571-575.
4. Yabi Gadi, Y. K. Sharma and **Manoj Dutta** (2022). Impact of biochar types and pig manure on performance of rice bean in Dystrudept of Nagaland. *Agricultural Mechanization in Asia*, 53 (11): 10857-10863.
5. Rizongba Kichu and **Manoj Dutta** (2022). Assessment of soil erosion using GIS and remote sensing techniques in Dzumah watershed of Upper Dhansiri, Nagaland. *The Pharma Innovation Journal*, SP-11(9): 2266-2273.
6. Hapemo Ngullie K, **Manoj Dutta**, Alongba Jamir S. Patton, and Sewak Ram (2022) Effect of tillage and mulching on the performance and status of some important soil properties on cultivating pigeon pea (*Cajanus cajan* L.). *The Pharma Innovation Journal*, 11(9): 1295-1263.
7. Sewak Ram, R. C. Nayak and **Manoj Dutta** (2022). Watershed Prioritization based on LULC Characteristics using GIS and TOPSIS: A case of Chathe watershed. *Annals of Plant and Soil Research*, 24 (3): 505-511.
8. Sewak Ram, R. C. Nayak and **Manoj Dutta** (2022). Watershed Prioritization based on Morphometric Characteristics using integrated RS-GIS and MCDM technique: A case of Chathe watershed. *The Pharma Innovation Journal*, 11(4): 29-34.
9. Debia Taje, **Manoj Dutta** and Rizongba Kichu (2022). Variability of soil properties in Sikhe village under Lower Subansiri district, Arunachal Pradesh. *Annals of Plant and Soil Research*, 24 (1): 80-85.
10. Rizongba Kichu, **Manoj Dutta**, R. C. Nayak and Lamneithem Hangshing (2022). Quantitative Morphometric Analysis of Dzumah

Watershed of Upper Dhansiri, Nagaland, India. *Indian Journal of Ecology*, 49 (3): 837-842.

11. Hapemo Ngullie K, **Manoj Dutta**, S. Patton, Rizongba Kichu and Sewak Ram (2022). Effect of tillage and mulching on soil moisture conservation and soil fertility cultivating pigeon pea (*Cajanus cajan* L.). *International Journal of Agricultural Sciences*, 18 (1): 97-103.
12. Vizokhonyü Yhome, **Manoj Dutta**, R. C. Nayak, Y. K. Sharma and L. Tongpang Longkumer (2021). Effect of slope and intercropping of Soybean-Maize on Soybean growth, yield, quality and nutrient uptake under different slopes in Nagaland. *International Journal of Current Microbiology and Applied Sciences*, 10(12): 297-303.
13. Vizokhonyu Yhome, **Manoj Dutta** and Rovizelhou Kuotsu (2021). Impact of slope and intercropping of Soybean-Maize on soil fertility under different slopes in North-East India. *The Pharma Innovation Journal*, 10(12): 36-39.
14. Aibapynsuk Khongwar and **Manoj Dutta** (2021). Effect of surface soil removal and organic amendment on yield of sesame (*Sesamum indicum* L.). *International Journal of Agricultural Sciences*, 17 (1): 54-58.
15. Aibapynsuk Khongwar and **Manoj Dutta** (2021). Effect of surface soil removal and organic amendment on aggregate stability and erosion indices of soil cultivating sesame (*Sesamum indicum* L.) *Environment & Ecology*, 39(1):129-133.
16. Tekhe Chirhah, **Manoj Dutta**, Rizongba Kichu and Sewak Ram (2021). Effect of simulated soil erosion and added organic manures on soil properties. *Journal of Soil and Water Conservation*, 20 (1): 1-6.
17. Alongba Jamir and **Manoj Dutta** (2020). Effect of mulching on important soil physico-chemical properties of Khasi mandarin (*Citrus reticulata* Blanco) orchard under mid-hill region of Nagaland. *Journal of Pharmacognosy and Phytochemistry*, 9(5): 2854-2858.
18. Paardensha Ivy Chinir, **Manoj Dutta**, Sewak Ram, Rizongba Kichu, S. Patton and R. C. Nayak (2020). Effect of amount and time of incorporation of forest litter on soil fertility status. *International Journal of Current Microbiology and Applied Sciences*, 9(10): 2803-2809.
19. Alongba Jamir, **Manoj Dutta** and Sentirenla Jamir (2020). Influence of organic and inorganic mulches on yield and its attributes of Khasi Mandarin (*Citrus raticulata* Blanco) in foot hill region of

- Nagaland. International Journal of Current Microbiology and Applied Sciences, 9(10): 1994-2004.
20. Aibapynsuk Khongwar, **Manoj Dutta**, Rizongba Kichu, R. C. Nayak, Sewak Ram and S. Patton (2020). Effect of surface soil removal and organic amendment on soil properties cultivating sesame (*Sesamum indicum* L.). International Journal of Current Microbiology and Applied Sciences, 9(10): 756-763.
 21. Paardensha Ivy Chinir, **Manoj Dutta**, Rizongba Kichu and Sewak Ram (2020). Effect of amount and time of incorporation of forest litter on soil physical properties. Asian Journal of Soil Science, 15 (2): 68-74.
 22. Lovilhunuo, **Manoj Dutta**, Rizongba Kichu and Sewak Ram (2020). Effect of simulated soil erosion and organic manures on soil properties. Asian Journal of Soil Science, 15 (1):34-40.
 23. **Manoj Dutta**, Rizongba kichu, Ruopfiinuo Mezhii and Sewak Ram (2018). Fertility status of soils under different land uses in Chiephobozou sub-division soils of Kohima, Nagaland. Journal of Soil and Water Conservation, 17 (3):299-302.
 24. **Manoj Dutta**, Bongkam Phom and Sewak Ram (2018). Erodibility status of soils under different land uses in Longleng district soils of Nagaland. International Journal of Agricultural Sciences. 14 (2): 407-412.
 25. **Manoj Dutta**, Ruopfiinuo Mezhii, Rizongba Kichu and Sewak Ram (2017). Erodibility status of soils under different land uses in Chiephobozou sub-division soils of Kohima, Nagaland. Asian Journal of Bio Science, 12 (2): 248-253.
 26. Sewak Ram, **Manoj Dutta** and Moanenla Jamir (2017). Characterization of fertility status and soil acidity of the experimental farm of SASRD, Nagaland in relation to land uses. Environment & Ecology, 35 (4D): 3411-3416.
 27. Sewak Ram, **Manoj Dutta** and Merenchila Kichu (2017). Physico-chemical properties of experimental farm of Sasrd, Nagaland in relation to land uses. Asian Journal of Soil Science, 12 (2):248-253.
 28. K. Chase, Arbind K. Verma, **Manoj Dutta** and R. C. Nayak (2017). Watershed development for optimal agricultural production in Northeast region of India. Asian Academic Research Journal of Multidisciplinary, 4 (8): 195-209.
 29. **Manoj Dutta**, Bongkam Phom and Sewak Ram (2017). Physico-chemical properties of soils under different land uses in Longleng district soils of Nagaland. Asian Journal of Soil Science, 12 (2):307-313.

30. **Manoj Dutta**, B. K. Medhi and Rizongba Kichu (2017). Impact of continuous fourteen years of integrated nutrient management practices on forms of soil N and P on terraced land. *Asian Journal of Soil Science*, 12 (1): 80-85.
31. **Manoj Dutta**, Sewak Ram and S. Patton (2017). Impact of Continuous Fourteen Years of Integrated Nutrient Management Practices on Forms of Soil Potassium in Terraced Land. *Environment & Ecology*, 35 (2B): 1147-1151.
32. Rizongba Kichu, **Manoj Dutta** and Sewak Ram (2016). Effect of twelve years integrated nutrient management practices on soil fertility and performance of upland rice in terraced land. *Asian Journal of Bio Science*, 11 (2): 256-262.
33. Janshaipharstep Diengdoh, **Manoj Dutta** and Sewak Ram (2016). Erodibility status of soils under different land uses in West Khasi Hills soils of Meghalaya. *Asian Journal of Soil Science*, 11 (1): 217-221.
34. Akummelna Longchar and **Manoj Dutta** (2016). Influence of Long-Term Nutrient Management Practices on Soil Properties in Terraced land. *Environment & Ecology* 34 (1): 186-190.
35. **Manoj Dutta**, B. K. Medhi, Sewak Ram and S. Patton (2016). Effect of long term integrated nutrient management on Soil N, P and K fractionations in terraced land. *Annals of Plant and Soil Research*, 18 (2): 110-117.
36. **Manoj Dutta**, Janshaipharstep Diengdoh and Sewak Ram (2015). Physicochemical properties of west Khasi Hills soils of Meghalaya in relation to land uses. *Asian Journal of Soil Science*, 10 (2): 288-294.
37. **Manoj Dutta** and Akummenla Longcher (2015). Impact of long-term nutrient management on soil fertility determinants and performance of rice in terraced land. *Asian J. Soil Sci.* 10 (1): 80-86.
38. **Manoj Dutta** and B. S. Chauhan (2015). Impact of nutrient management practices on the status and quality of soil humus in newly developed terraced land. *International Journal of Bio-resource and Stress Management*, 6 (1): 128-134.
39. **Dutta, Manoj**, Khekavi K. Jimo, Alongba Jamir and Sewak Ram (2014). Long Term Effect of Nutrient Management Practices on the Performance of Upland Rice (*Oryza sativa* L.) on Terraced Land under Continuous Cultivation. *Nagaland University Research Journal* 7: 178-192.
40. **Dutta, Manoj** and Vizokhonyu Yhome (2014). Soil fertility and performance of upland rice after nine years of integrated nutrient

- management and continuous cropping in terraced land. *Environment & Ecology* 32 (3A): 1034-1038.
41. **Dutta, Manoj** and Roba Sangtam (2014). Integrated nutrient management and continuous cropping for a decade on soil properties in a terraced land. *Asian J. Soil Sci.* 9 (1): 107-112.
 42. **Dutta, Manoj** and Roba Sangtam (2014). Integrated Nutrient Management on Performance of Rice in Terraced Land. *International Journal of Bio-resource and Stress Management* 5 (1): 107-112.
 43. **Dutta, Manoj**, B. S. Chauhan and Ruokuosietuo Dzuovichu (2013). Effect of integrated nutrient management and continuous cropping on important soil properties in a terraced agro-ecosystem. *Nagaland University Research Journal* 6: 74-83.
 44. **Dutta, Manoj** and Vizokhonyu Yhome (2012). Integrated nutrient management and continuous cropping on important physical properties of soil in terraced land. *International Journal of Bio-resource and Stress Management* 3 (3): 376-379.
 45. **Dutta, Manoj** and B. S. Chauhan (2011). Effect of integrated nutrient management practices on various forms of soil potassium in a newly developed terraced land. *Indian Journal of Environment & Ecoplanning* 18(2-3): 211-217.
 46. **Dutta, Manoj** and B. S. Chauhan (2011). Effect of nutrient management practices on the various forms of soil nitrogen in a newly developed terraced land. *Indian Agric.* 55 (1 & 2): 13-19.
 47. **Dutta, Manoj** and B. S. Chauhan (2011). Effect of integrated nutrient management practices on the various forms of soil phosphorous in a newly developed terraced land. *Environment & Ecology* 29 (1): 127-132.
 48. **Dutta, Manoj** and B. S. Chauhan (2010). Effect of integrated nutrient management practices on the performance of upland rice in a terraced agro-ecosystem. *Indian Journal of Environment & Ecoplanning* 17 (1-2): 303-312.
 49. **Dutta, Manoj** and B. S. Chauhan (2010). Effect of nutrient management practices on important physical properties of soil in a newly developed terraced land. *Indian Journal of Environment & Ecoplanning* 17 (1-2): 23-32.
 50. **Dutta, Manoj** and B. S. Chauhan (2010). Effect of nutrient management practices on the performance of upland rice in a newly developed terraced land. *Indian Agric.* 54 (1 & 2): 13-21.
 51. **Dutta, Manoj** and B. S. Chauhan (2010). Effect of nutrient management practices on the important chemical properties of soil in a newly

- developed terraced agro-ecosystem. *Indian Agric.* 54 (1&3): 123-127.
52. Chauhan, B. S.; Imtilemla and **Manoj Dutta** (2010). Effect of nutrient management practices on the performance of upland rice (*Oryza sativa* L.) on terraced land under continuous cultivation. *Environment & Ecology* 28 (1A): 374- 380.
 53. Imtilemla, B. S. Chauhan and **Manoj Dutta** (2009). Effect of continuous cultivation and nutrient management on available N, P and K content and yield of upland rice (*Oryza sativa* L.) on terraced land. *Indian Agric.* 53 (1 & 2): 61-67.
 54. Chauhan, B. S.; D. C. Kalita, **Manoj Dutta**, Sewak Ram and R. C. Nayak (2008). Contribution of surface soil and subsoil towards economic returns from important crops in hill agriculture. *Productivity* 49 (2-3): 143-150.
 55. Chauhan, B. S.; **Manoj Dutta** and Mhalo Humtsoe (2008). Effect on important soil quality determinants after ten years of continuous cultivation and nutrient management in a terraced agro-ecosystem. *Environment & Ecology* 26 (2A): 925- 933.
 56. 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.) under foot-hill conditions. *Environment & Ecology* 25S (1): 102- 106.
 57. Chauhan, B. S.; Zhiete; **Manoj Dutta** and A. K. Singh (2007). Effect of simulated erosion and nitrogen levels on soil fertility determinants under foot-hill conditions. *Environment & Ecology* 25S (1): 94-97.
 58. Imtisenla; M. Singh; P. Ahmed and **Manoj Dutta** (2005). Effect of organic and inorganic sources of nitrogen with or without lime on yield and yield attributes of soybean. *Nagaland University Research Journal* 3: 28-30.
 59. **Dutta, Manoj** and P. K. Barkakoty (2005). Evaluation of soil physical properties and soil water behaviour of a minor irrigation command under Jorhat district of Assam. *Nagaland University Research Journal* 3: 12-16.
 60. **Dutta, Manoj** and A. C. Sarma (2004). Sources of nutrients on some of the soil properties in Rice-Linseed cropping system. *J. Interacad.* 8 (3): 377-382.
 61. Hussain, Zakir; B. S. Chauhan and **Manoj Dutta** (2002). Performance of upland paddy under different levels of simulated erosion and fertilizer nitrogen. *J. agric. Sci. Soc. NE India* 15 (1): 71-74.

62. **Dutta, M** and P. K. Barkakoty (1996). Evaluation of some soil physical characteristics of Charaipani irrigation project command area. J. agric. Sci. Soc. NE India 9 (2): 135-140.
63. **Dutta, M** and P. K. Barkakoty (1996). Moisture retention characteristics of soils in Charaipani irrigation project command area. J. agric. Sci. Soc. NE India 9 (1): 33-38.

Book Chapters:

1. **Manoj Dutta**, Lenjing Gao and Sewak Ram (2021). Soil fertility and performance of upland rice after fourteen years of continuous nutrient management practices in terraced land. In: Shrivastava, M. K. and Pant, R. M.(Eds). Natural Resource management and its utilization. Lakshi Publishers & Distributors, New Delhi, India. 145-164.
2. **Dutta, Manoj**, Dzuvichu, Ruokuosietuo and B. S. Chauhan (2013). Soil Fertility and Performance of Upland Rice Under Different Nutrient Management Practices in Terraced Land. In: Sharma, A., Nakhro, R., Das, S. and Tyagi, D. B. Eds.). Natural Resources for Sustainable Agriculture Production. S. S. Publication, Delhi, India. 126-140.
3. B. S. Chauhan, C. H. Lalmuanpuia, Ram Sewak and **Manoj Dutta** (2013). Effect of Simulated Soil Erosion and Continuous Addition of Fertilizers and Amendments on the Moisture Reserve in Soil. In: Sharma, A., Nakhro, R., Das, S. and Tyagi, D. B. Eds.). Natural Resources for Sustainable Agriculture Production. S. S. Publication, Delhi, India. 141-149.
4. **Dutta, Manoj**; Zakir Hussain and B. S. Chauhan (2007). Effect of simulated erosion and nitrogen levels on the uptake of N, P and K and yield of upland rice. In: Sharma, A., Singh, R. K., (Eds.). Composite Farming Practices and Economic Development. Abhijeet Publications, Delhi, India. 143-152.
5. Ram, Sewak; B. S. Chauhan and **Manoj Dutta** (2007). Performance of maize (*Zea mays* L.) under various nutrient management practices on terraced land. In: Sharma, A., Singh, R. K., (Eds.). Composite Farming Practices and Economic Development. Abhijeet Publications, Delhi, India. 175-188.

Laboratory Manuals:

- (i) Practical Manual for B. Sc. (Hons) Ag. – Soil Degradation and Conservation (2016)
- (ii) Laboratory Manual for Course No. SCN 508 – Soil and Water Conservation Methodology (2021)

(iii) Practical Manual for Course No.SCN 601 – Advances in Watershed Management (2023)

Extension manual/ folder:

- I. Folder on “Biological Measures of Soil Conservation”
- II. Folder on “Mechanical Measures of Soil Conservation”

Research Projects Completed:

As Principal Investigator			
Sl. No.	Title	Agency	Period
1	Impact of water conservation practices on pigeon pea and their effect on soil arthropods	Govt. of Nagaland, Directorate of Science and Technology, Nagaland, Kohima	3 years, 2017-18, 2018-19 and 2019-20
2	Exploitation of forest litter for soil moisture conservation and source of nutrients for up-land rice	Govt. of Nagaland, Directorate of Soil and Water Conservation, Nagaland, Kohima	3 years, 2017-18 to 2020-21

Research Guidance:

Sl. No.	Topic of Thesis	Name of student	Degree	Year of Award
1.	Soil properties under different land use systems in Panso block of Noklak district, Nagaland	Mr. Sangtsui	M. Sc. (Ag) in Soil and Water Conservation	2023
2	Variabilities of soil properties under different land uses in Ongpangkong range of Mokokchung district of Nagaland	Ms. Talitola Imchen	M. Sc. (Ag) in Soil and Water Conservation	2023
3	Assessment of surface runoff and soil erosion in Dzumah watershed of Upper Dhansiri, Nagaland	Mr. Rizongba Kichu	Ph. D. in Soil and Water Conservation	2022
4	Soil properties under different land uses in Sechu-Zubza Sub division of Kohima, Nagaland	Ms. Angela Pidenro	M. Sc. (Ag) in Soil and Water Conservation	2022

5	Evaluation of soil erodibility characteristics under different land uses in Dhansiripar, Nagaland	Ms. Reshinaro Tzudir	M. Sc. (Ag) in Soil and Water Conservation	2022
6	Impact of intercropping of soybean (<i>Glycine max</i> L.) –maize (<i>Zea mays</i> L.) on soil loss and crop performance in foothill regions of Dimapur district	Mr. Vizokhonyu Yhome	Ph. D. in Soil and Water Conservation	2021
7	Study on soil characteristics under different land use system in Kohima village of Nagaland	Ms. Kikrukhrienuo Rutsa	M. Sc. (Ag) in Soil and Water Conservation	2021
8	Studies on soil properties under different land use system of Sanis block of Wokha district, Nagaland	Ms. Fuchumlo Yanthan	M. Sc. (Ag) in Soil and Water Conservation	2021
9	Effect of mulching on soil water conservation and performance of Khasi mandarin (<i>Citrus reticulata</i> Blanco) in mid hill regions of Mokokchung district of Nagaland	Mr. Alongba Jamir	Ph. D. in Soil and Water Conservation	2020
10	Effect of forest litter on performance of upland rice and its prospects in soil and water conservation	Ms. Wonchibeni N. Odyuo	M. Sc. (Ag) in Soil and Water Conservation	2020
11	Land use effect on soil properties with emphasis to erodibility parameters of soil in Ri-Bhoi district, Meghalaya	Ms. Sima K. Marak	M. Sc. (Ag) in Soil and Water Conservation	2020
12	Prospects of forest litter as a source of nutrients and soil water conservation for upland rice	Ms. Paardensha Ivy Chinir	M. Sc. (Ag) in Soil and Water Conservation	2019
13	Effect of surface soil	Ms. Aibapynsuk	M. Sc. (Ag) in	2019

	removal and organic amendments on soil properties and performance of sesame (<i>Sesamum indicum</i> L.)	Khongwar	Soil and Water Conservation	
14	Effect of tillage and mulching on the performance of pigeon pea (<i>Cajanus cajan</i> L.)”	Mr. Hapemo Ngullie K	M. Sc. (Ag) in Soil and Water Conservation	2019
15	Effect of simulated soil erosion and added organic manures on the performance of maize (<i>Oryza sativa</i> L.)	Mr. Tekhe Chirhah	M. Sc. (Ag) in Soil and Water Conservation	2018
16	Effect of simulated erosion and organic manners on the performance of sesame (<i>Sesamum indicum</i> L.) crop.	Ms. Lovilhunuo	M. Sc. (Ag) in Soil and Water Conservation	2018
17	Variability of soil properties with emphasis on erodibility parameters under different land use patterns in Chiephobozou sub-division soils of Nagaland	Ms. Ruopfunuo Mezhu	M. Sc. (Ag) in Soil and Water Conservation	2017
18	Effect of land use on erodibility characteristic of the soil under Tseminyu sub- division of Nagaland	Ms. Kebegi Kent	M. Sc. (Ag) in Soil and Water Conservation	2017
19	Variability of Soil properties with emphasis an erodibility parameter under different land use pattern in Longleng sub-division soils of Nagaland	Mr. Simon Sangsa Phom	M. Sc. (Ag) in Soil and Water Conservation	2016
20	Variability of soil properties in Sikhe Village under Lower Subansiri district of Arunachal Pradesh	Mr. Debia Taje	M. Sc. (Ag) in Soil and Water Conservation	2016
21	Effect of fifteen years	Mr.	M. Sc. (Ag) in	2016

	long terms integrated nutrients management on soil properties and performance of upland rice on terraced land	Lalremruatfela	Soil and Water Conservation	
22	Long term effects of nutrient management practices on soil properties and performance of upland rice on terraced land	Mr. Lenjing Gao	M. Sc. (Ag) in Soil and Water Conservation	2015
23	Land use effect on soil properties with emphasis on erodibility parameters in Wokha soils of Nagaland	Mr. Y.Chumbenthung Patton	M. Sc. (Ag) in Soil and Water Conservation	2015
24	Long term nutrient managements effect on soil fertility determinants and performance of upland rice on terraced land	Ms. Akummenla Longchar	M. Sc. (Ag) in Soil and Water Conservation	2014
25	Land use effect on soil properties with emphasis on erodibility parameters in Longleng district of Nagaland	Mr. Bongkam Phom	M. Sc. (Ag) in Soil and Water Conservation	2014
26	Land use effect on soil parameters with emphasis on erodibility parameters in West Khasi Hills soils of Meghalaya	Mr. Janshaipharstep Diengdoh	M. Sc. (Ag) in Soil and Water Conservation	2013
27	Management effect on soil properties influencing soil quality and erodibility in terraced land	Mr.Thritiba Sangtam	M. Sc. (Ag) in Soil and Water Conservation	2013
28	Effect of integrated nutrient management practices on important soil properties in terraced land under continuous cultivation.	Mr. Alongba Jamir	M. Sc. (Ag) in Soil and Water Conservation	2012
29	Effect of nutrients management practices	Mr. Khekavi K. Jimo	M. Sc. (Ag) in Soil and Water	2012

	on the performance of upland rice (<i>Oryza sativa</i> L.) on terraced land under continuous cultivation.		Conservation	
30	Effect of integrated nutrient management practices on soil fertility and performance of upland rice (<i>Oryza sativa</i> L.) on terraced land after a decade	Mr. S. Roba Sangtam	M. Sc. (Ag) in Soil and Water Conservation	2011
31	Effect of continuous cropping and nutrient management on soil fertility and yield of upland rice (<i>Oryza sativa</i> L.) on terraced land.	Mr. Vizokhonyu Yhome	M. Sc. (Ag) in Soil and Water Conservation	2010
32	Effect of continuous nutrients management practices on soil fertility and performance of upland rice (<i>Oryza sativa</i> L.) on terraced land	Mr. Ruokosietuo Dzuwichu	M. Sc. (Ag) in Soil and Water Conservation	2007

Ongoing				
1	Effect of tillage and green manuring on soil properties for assessing the performance of maize (<i>Zea mays</i> L.)	Mr. Hapemo Ngullie K	Ph. D. in Soil and Water Conservation	Continuing
2	Effect of conservation practice and organic manures on soil properties and performance of soybean (<i>Glycine max</i> L.)	Ms. Paardensha Ivy Chinir	Ph. D. in Soil and Water Conservation	Continuing
3	Effect of surface soil removal and organic amendments on soil	Mr. Haiguipeung	M. Sc. (Ag) in Soil and Water Conservation	Continuing

	properties and performance of pea (<i>Pisum sativum</i> L.)			
4	Effect of organic manures on performance of finger millet (<i>Eleusine coracana</i> L.) on terraced land	Ms. Joram Reena	M. Sc. (Ag) in Soil and Water Conservation	Continuing

Seminar/ Workshop/ Conference attended:

1. International Workshop on Agro forestry and Forest Products held on 28th-30th November, 2000 at Department of Forestry, North Eastern Hill University, Mizoram Campus, Aizawl 796 012, India.
2. National Seminar on Water and Land Management including CAD for Socio Economic Upliftment of NE region held on November 22-23, 2001 at Guwahati, Assam, organized by North Eastern Regional Institute of Water and Land Management, Tezpur, Assam.
3. International Conference on Mountain Environment and Natural hazards Management held on 27th - 29th March, 2003 at Department of Geography, North Eastern Hill University, Shillong, Meghalaya, India.
4. State Level Seminar on Technology for Improving Agricultural Productivity in Nagaland held on 11th October, 2003 at School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
5. Seminar on Perspectives on Higher Education in Nagaland organized by Central Executive Council, Nagaland University Teachers' Association on 13th & 14th October, 2004 at SASRD, Medziphema Campus, Nagaland University, Nagaland.
6. National Seminar on Issues Concerning Economic Growth and Sustainability in North Eastern Region of India held on 10th-12th January, 2005 at National Institute of Rural Development, North Eastern Regional Centre, Jawaharnagar, Khanapara, Guwahati- 781 022, Assam.
7. National Seminar on Problems and Prospects of Agricultural Marketing with special reference to North Eastern Hill Region held on 11th -13th October, 2006 at Department of Agricultural Economics, School of Agricultural Sciences and Rural Development, Nagaland University, Medziphema Campus, Nagaland.
8. Workshop on Horticulture & Allied Sectors (mass multiplication through tissues culture) held on 31st October - 1st November, 2006 at SASRD, Nagaland University, Medziphema Campus, Medziphema, Nagaland.
9. National Seminar on Sustainable Natural Resources and its Utilization for Enhancing the Agricultural Productivity in India, held on November 17-

- 19, 2010 at Department of Agricultural Economics, Nagaland University, School of Agricultural Sciences and Rural Development, Medziphema Campus, Nagaland.
10. National seminar on Emerging Challenges and Prospective Strategies for Hill Agriculture in 2050 held on January 23-25, 2014 at ICAR Research Complex for NEH Region, Nagaland Centre, Jharnapani, Medziphema, Nagaland.
 11. National Seminar on Shifting Cultivation (Jhum) in the 21st Century: Fitness and Improvement held on November 28-29, 2014 at CPGS, CAU, Umiam, Meghalaya and presented a paper entitled “Impact of shifting cultivation on soil ecosystem in Northeastern region” authored by Sewak Ram and **Manoj Dutta**.
 12. National Seminar on Harnessing Science for Societal Development held on March 21, 2015 at Assam Agricultural University, Jorhat, Assam and presented a paper entitled “Land use effect on soil erodibility parameters in Longleng district soils of Nagaland” authored by Bongkam Phom, **Manoj Dutta** and Sewak Ram.
 13. National Seminar on Natural Resource Management: Technical Options held on March 18-19, 2016 at National Institute of Rural Development & Panchayati Raj, North Eastern Regional Centre (NIRDPR-NERC), Guwahati, Assam and presented a paper entitled “Soil fertility and performance of upland rice after fourteen years of continuous nutrient management practices in terraced land” authored by **Manoj Dutta**, Lenjing Gao and Sewak Ram.
 14. National Conference on “Farmers First for Conserving Soil and Water Resources in North Eastern Region (FFCSWR-2017)” held at AAU Campus, Khanapara, Guwahati, Assam and organized by Indian Association of Soil & Water Conservationists, ICAR-IISWC, 218-Kaulagarh Road, Dehradun- 248 195 (UK) during February 09-11, 2017 and presented a paper entitled “Land use effect on soil erodibility parameters in Wokha district soils of Nagaland” by **Manoj Dutta**, Y Chumbenthung Patton, Sewak Ram and R C Nayak.
 15. National Seminar on “Transforming Rural Areas in North East India: Vision for Future” held on March 8-9, 2017 at National Institute of Rural Development & Panchayati Raj, North Eastern Regional Centre (NIRDPR-NERC), Guwahati, Assam and presented a paper entitled “Variability of soil properties with emphasis on erodibility parameters under different land use pattern in Longleng sub-division soils of Nagaland” authored by **Manoj Dutta**, Simon Sangsa Phom and Sewak Ram.
 16. National Conference on Natural Resource management for Climate Smart Sustainable Agriculture (NRMCSSA-2017) held on September 11-13, 2017 at CPGS, CAU, Umiam, Meghalaya and organized by Soil

Conservation Society of India, New Delhi and presented a paper entitled “Variability of soil properties in Sikhe village under Lower Subansiri District of Arunachal Pradesh” by Debia Taje, **Manoj Dutta** and Rizongba Kichu.

17. National Webinar on Doubling Farmer’s Income and Nutritional Security: Role of Traditional and New High Value Crops in North East India held on October 28-29, 2020 at National Institute of Rural Development & Panchayati Raj, North Eastern Regional Centre (NIRDPR-NERC), Guwahati, Assam and presented a paper entitled “Influence of organic and inorganic mulches on yield and its attributes of Khasi mandarin (*Citrus reticulata* Blanco) in foothill region of Nagaland” by Alongba Jamir, **Manoj Dutta** and Sentirenla Jamir.
18. National Webinar on Revisiting North Eastern Region Vision2020: Achievement, Emerging Challenges and Reorientation of Development Strategy for Future held on March 6-7, 2021 at National Institute of Rural Development & Panchayati Raj, North Eastern Regional Centre (NIRDPR-NERC), Guwahati, Assam and presented a paper entitled ‘Non-Timber Forest Product- a better option for rural livelihood in Eastern Himalayan State, Nagaland” by Sanjoy Das, Nchumthung Murry and **Manoj Dutta**.
19. National online conference on Rural Development in Himalayan and Hilly regions of India: Issues, Challenges and Way forward held on February 27-28, 2023 at National Institute of Rural Development & Panchayati Raj, North Eastern Regional Centre (NIRDPR-NERC), Guwahati, Assam and presented a paper entitled ‘Effect of tillage and mulching on the performance and soil properties cultivating pigeon pea (*Cajanus cajan* L.) by Hapemo Ngullie K and **Manoj Dutta**.
20. ICT Workshop on capacity building organized by Nagaland University, School of Agricultural Sciences, Medziphema Campus in collaboration with National Institute of Educational Planning & Administration (NIEPA), New Delhi from 04-06 March, 2024.



(Manoj Dutta)

Place: SAS, Medziphema
Date: 17-03-2024