

# Yam Kanta Gaihre

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

897  
citations

567281

15  
h-index

642732

23  
g-index

25  
all docs

25  
docs citations

25  
times ranked

722  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | How does burning of rice straw affect CH <sub>4</sub> and N <sub>2</sub> O emissions? A comparative experiment of different on-field straw management practices. <i>Agriculture, Ecosystems and Environment</i> , 2017, 239, 143-153.  | 5.3 | 145       |
| 2  | Impacts of urea deep placement on nitrous oxide and nitric oxide emissions from rice fields in Bangladesh. <i>Geoderma</i> , 2015, 259-260, 370-379.                                                                                   | 5.1 | 115       |
| 3  | Floodwater ammonium, nitrogen use efficiency and rice yields with fertilizer deep placement and alternate wetting and drying under triple rice cropping systems. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 104, 53-66.         | 2.2 | 86        |
| 4  | Different nitrogen rates and methods of application for dry season rice cultivation with alternate wetting and drying irrigation: Fate of nitrogen and grain yield. <i>Agricultural Water Management</i> , 2018, 196, 144-153.         | 5.6 | 67        |
| 5  | Effects of water management on greenhouse gas emissions from farmers' rice fields in Bangladesh. <i>Science of the Total Environment</i> , 2020, 734, 139382.                                                                          | 8.0 | 66        |
| 6  | Fertilizer Deep Placement Increases Rice Production: Evidence from Farmers' Fields in Southern Bangladesh. <i>Agronomy Journal</i> , 2016, 108, 805-812.                                                                               | 1.8 | 58        |
| 7  | Mitigating greenhouse gas emissions from irrigated rice cultivation through improved fertilizer and water management. <i>Journal of Environmental Management</i> , 2022, 307, 114520.                                                  | 7.8 | 47        |
| 8  | Nitrous oxide and nitric oxide emissions and nitrogen use efficiency as affected by nitrogen placement in lowland rice fields. <i>Nutrient Cycling in Agroecosystems</i> , 2018, 110, 277-291.                                         | 2.2 | 45        |
| 9  | Impact of elevated temperatures on greenhouse gas emissions in rice systems: interaction with straw incorporation studied in a growth chamber experiment. <i>Plant and Soil</i> , 2013, 373, 857-875.                                  | 3.7 | 44        |
| 10 | Rice yields and nitrogen use efficiency with different fertilizers and water management under intensive lowland rice cropping systems in Bangladesh. <i>Nutrient Cycling in Agroecosystems</i> , 2016, 106, 143-156.                   | 2.2 | 41        |
| 11 | Seasonal assessment of greenhouse gas emissions from irrigated lowland rice fields under infrared warming. <i>Agriculture, Ecosystems and Environment</i> , 2014, 184, 88-100.                                                         | 5.3 | 35        |
| 12 | Nitrous oxide and nitric oxide emissions from lowland rice cultivation with urea deep placement and alternate wetting and drying irrigation. <i>Scientific Reports</i> , 2018, 8, 17623.                                               | 3.3 | 32        |
| 13 | Mitigating N <sub>2</sub> O and NO Emissions from Direct-Seeded Rice with Nitrification Inhibitor and Urea Deep Placement. <i>Rice Science</i> , 2020, 27, 434-444.                                                                    | 3.9 | 24        |
| 14 | Increasing nitrogen use efficiency in rice through fertilizer application method under rainfed drought conditions in Nepal. <i>Nutrient Cycling in Agroecosystems</i> , 2020, 118, 103-114.                                            | 2.2 | 18        |
| 15 | Movement and Retention of NH <sub>4</sub> -N in Wetland Rice Soils as Affected by Urea Application Methods. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 589-597.                                                    | 3.4 | 17        |
| 16 | New records of very high nitrous oxide fluxes from rice cannot be generalized for water management and climate impacts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1464-1465. | 7.1 | 14        |
| 17 | Quantifying nitric oxide emissions under rice-wheat cropping systems. <i>Environmental Pollution</i> , 2019, 250, 856-862.                                                                                                             | 7.5 | 9         |
| 18 | Real-time nitrogen management using decision support-tools increases nitrogen use efficiency of rice. <i>Nutrient Cycling in Agroecosystems</i> , 2021, 119, 355-368.                                                                  | 2.2 | 9         |

| #  | ARTICLE                                                                                                                                                                                                      | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Optimizing N Fertilization for Increasing Yield and Profits of Rainfed Maize Grown under Sandy Loam Soil. <i>Nitrogen</i> , 2021, 2, 359-377.                                                                | 1.3 | 9         |
| 20 | Design, Development and Field Evaluation of Manual-Operated Applicators for Deep Placement of Fertilizer in Puddled Rice Fields. <i>Agricultural Research</i> , 2017, 6, 259-266.                            | 1.7 | 6         |
| 21 | Deep Placement of Briquette Urea Increases Agronomic and Economic Efficiency of Maize in Sandy Loam Soil. <i>Agrivita</i> , 2020, 42, .                                                                      | 0.4 | 4         |
| 22 | Field evaluation of slow-release nitrogen fertilizers and real-time nitrogen management tools to improve grain yield and nitrogen use efficiency of spring maize in Nepal. <i>Heliyon</i> , 2022, 8, e09566. | 3.2 | 3         |
| 23 | Slow but sure: the potential of slow-release nitrogen fertilizers to increase crop productivity and farm profit in Nepal. <i>Journal of Plant Nutrition</i> , 0, , 1-18.                                     | 1.9 | 2         |
| 24 | Enhanced-efficiency nitrogen fertilizer boosts cauliflower productivity and farmers' income: Multi-location and multi-year field trials across Nepal. <i>Experimental Agriculture</i> , 2022, 58, .          | 0.9 | 1         |
| 25 | Soil Properties. <i>World Soils Book Series</i> , 2021, , 91-110.                                                                                                                                            | 0.2 | 0         |