**W**orked as **Principal Investigator on ‘**Development of yield scaled low Carbon emission Technique through introducing climate smart agricultural practices in irrigated paddy soil ecosystem’(Funded by **BAURES, BAU, 2019-2021).**

Worked as **Principal Investigator on ‘**Mitigation of Methane emissions from rice shrimp crab mixed culture and salinity reclamation in Coastal wetlands’ **(**Funded by **MOST 2020~2021, Government of Bangladesh).**

**●** Worked as Principal Investigator on ‘**Improving Coastal Paddy ecosystem, soil salinity status and decreasing yield scaled greenhouse gas emissions’** (**Funded by MOST 2019~2020, Government of Bangladesh).**

● Worked as Collaborative Scientist for **STRASA-AWD Project** ‘**Impact of AWD (Alternate Wetting and Drying) on farm incomes and water savings**’, **BAU-IRRI bilateral Project 2017-2019).**

● Worked as **Principal Investigator** on ‘Development of environment friendly paddy ecosystem for sustainable rice farming through feasible soil organic amendments and suitable irrigation practices’ (**Funded by BAURES, BAU, 2017-19).**

● Worked as **Principal Investigator** on “Improvement of Peatland soil water properties and decreasing yield scaled greenhouse gas emissions with feasible soil amendments” (**Funded by MOST 2018~2019, Government of Bangladesh).**

● Worked as PI on “Effects of soil amendments and phytoremediation on heavy metals concentrations in soil, uptake by rice plants and methane emissions from the degraded soils adjacent to the industrial areas of Mymensingh and Gazipur Districts” (Funded by **MOST, 2017~2018, Government of Bangladesh)**.

• Worked as Co-investigator on ‘Mitigating Greenhouse Gas (GHG) Emissions from Rice-based Cropping Systems through Efficient Fertilizer and Water Management’ **(Funded by KGF, BARC, 2016-19).**

• Worked on ‘Impact of Climate Change on Rice Productivity in Agro-ecosystem of the Coastal Regions of Bangladesh’.

•Worked on ‘Effect of Soil Amendments having Electron Acceptors for Mitigating Methane Emissions during Rice (*Oryza sativa*) Cultivation’ in the Department of Environ-biotechnology at the Laboratory of Soil Chemistry, Gyeongsang National University, South Korea.

•Investigated in Research work ‘Interaction of Carbon Dioxide and Nitrogen in the growth and photosynthesis of Wheat (*Triticumaestivum* L.), 1993-1994, Funded by ODA, University of Essex, UK.

•Worked as Principal-investigatorof the project entitled “Environment Friendly Technologies for Mitigating Methane Emissions and Sustaining Rice Productivity in Bangladesh” under special allocation for Science & Information and Communication Technology (MOSICT, 2009~2010 Government of Bangladesh)”.

• Worked as Co-investigator of the project entitled ‘Integrated Management of Old and Young Tea for Maximizing Crop Production’, 1999~2001, funded by the ARMP Project, Bangladesh Agricultural Research Council, Dhaka.