Report generated for the period 2024-01-01 to 2024-12-31

 Material Development and Pollutant Remediation - Dr.L.Jayarathna

Current Collaborations ~ *New Collaborations listed separately*

1. Environmental Science Research Program research programme of NIFS collaborates with Faculty of Veterrinary Medicine and Animal Science, University of Peradeniya from 2021-01-03 to 2027-01-03.
Summary : Heavy metals and some selected elemental spotlights in milking cows reared in high CKDu Prevalence areas in Sri Lanka.
Collaborators : Dr. G.D.R.K. Perera, Dr. Ms. H.M.S. Wasana, and **Dr. L. Jayarathna** .

2. Environmental Science Research Program research programme of NIFS collaborates with Department of Environmental Technology, Faculty of Technology, University of Colombo from 2022-07-01 to 2027-07-01.
Summary : Removal of phosphate using iron oxide-coated super sand.
Collaborators : Dr. Sansfica Marlyn Young, and **Dr. L. Jayarathna** .

3. Environmental Science Research Program research programme of NIFS collaborates with Department of Chemistry, University of Peradeniya from 2018-01-01 to 2028-01-02.
Summary : New material development and applications.
Collaborators : Dr. Athula Bandara, and **Dr. L. Jayarathna** .

4. Environmental Science Research Program research programme of NIFS collaborates with Faulty of Applied Science, Sbaragamuwa University from 2022-01-01 to 2026-01-01.
Summary : Accumulation of micropalastics in Kandy lake.
Collaborators : Dr. Hasintha Wihjesekara, and **Dr. L. Jayarathna** .

5. Environmental Science Research Program research programme of NIFS collaborates with The China-Sri Lanka Joint Research and Demonstration Center for Water Technology, University of Peradeniya from 2022-01-01 to 2027-01-01.
Summary : Water quality development.
Collaborators : Dr. S. Weragoda, Dr. Madubashini Mahakehelwala, and **Dr. L. Jayarathna** .

New Collaborations

1. Environmental Science Research Program research programme of NIFS collaborates with with Faculty of Agriculture, University of Peradeniya from 2024-01-01 to 2026-01-01.
Summary : Method development for adulteration identification.
Collaborators : Dr. Ms. Nipuna Perera, and **Dr. L. Jayarathna** .

2. Environmental Science Research Program research programme of NIFS collaborates with Department of Animal Science, Faculty of Agriculture, University of Peradeniya from 2024-01-01 to 2025-01-01.
Summary : User friendly in-field toolkit for detecting adulterants in rice polish used for animal feed formulaion.
Collaborators : Dr. W.N.U. Perera, and **Dr. L. Jayarathna** .

Supervision - Training

1. Miss. W. A. D. K. Senevinanda, Undergraduate student of University of Peradeniya is conducting the research project in the research area of "Water Purification" at the NIFS under the supervision of **Dr. L. Jayarathna** since 2020-01-27.

2. Mr. R. M. K. A. Rathnayake, Undergraduate student of University of Peradeniya is conducting the research project in the research area of "Material Science" at the NIFS under the supervision of **Dr. L. Jayarathna** since 2020-08-15.

3. Mr. T. Kumaresh , Undergraduate student of University of Colombo is conducting the research project in the research area of "Environment Science" at the NIFS under the supervision of **Dr. L. Jayarathna** since 2022-06-15.

4. Mr. H. P. B. S. T. D. Silva , Undergraduate student of University of Peradeniya is conducting the research project in the research area of "Zeolite material" at the NIFS under the supervision of **Dr. L. Jayarathna,** and Dr. W. M. A. T. Bandara since 2023-07-01.

5. Mr. B. V. C. M. Benaragama , Undergraduate student of Institute of Chemistry Ceylon is conducting the research project in the research area of "Microplastics(Environmental)" at the NIFS under the supervision of **Dr. L. Jayarathna** since 2023-10-19.

6. Mr. K. B. Samarasundera , Undergraduate student of Institute of Chemistry Ceylon is conducting the research project in the research area of "Catalytic reaction for Zeolite material" at the NIFS under the supervision of **Dr. L. Jayarathna** since 2023-10-19.

7. Ms. S. A. P. M. Bandara , Undergraduate student of University of Jayawardanapura is conducting the research project in the research area of "Microplastic Analysis" at the NIFS under the supervision of **Dr. L. Jayarathna** since 2023-10-23.

8. Ms. A. M. Hasara , Undergraduate student of Sabaragamuwa University is conducting the research project in the research area of "Nano technology, Environmental Chemistry" at the NIFS under the supervision of **Dr. L. Jayarathna** since 2024-01-29.

14. Ms. M. D. R. Perera is reading for a M.Phil degree at University of Peradeniya in the research area of Materials Chemistry at NIFS under the supervision of **Dr. L. Jayarathna** since 2020-11-16.

15. Ms. R.A.L.R. Amarasena is reading for a M.Phil degree at University of Peradeniya in the research area of Material Chemistry at NIFS under the supervision of **Dr. L. Jayarathna** since 2020-11-24.