

Dissanayake Mudiyansele Rasika Eranda Ashoka Dissanayake



17th Feb 1986.

Male.

Sri Lankan.

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Education

- ◆ Successfully completed **M.Sc. degree program in Environmental Science** at Postgraduate Institute of Science (PGIS), University of Peradeniya. (G.P.A= 3.0).
- ◆ Successfully completed **Bachelor of Science General degree (Botany and Chemistry)** at Faculty of Science, University of Peradeniya (G.P.A.=2.59).

Awards, Fellowships, Grants

National Research Council Sri Lanka (2013)

- Development of Natural adsorbent for heavy metal and dye contaminated wastewater treatment. (**Grant No: NRC 13-087**)

Experience in Science

Reviewer for **Bioremediation journal** (2015)

Fields of Interest

Environmental Remediation

Polymer layer silicate composites

Coordination Polymers

Organometallics and Metal organic Frameworks

Computational Chemistry

Present Education

Reading for Ph.D. degree in Chemical Sciences at Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka.

Professional Organizations

Member of Sri Lanka Association for the Advancement of Science (9439/E2)

Member of Young Research Forum University of Peradeniya

Present Position

NRC Research Assistant (2013—up to date)
National Institute of Fundamental Studies
Hanthana Road, Kandy
Sri Lanka.

Languages

English, Sinhala, Tamil

Computer literacy

- Successfully Completed Certificate course in Computer Programming (Basic level) in Technical Engineering College (Sri Lanka) in 2002.
- Successfully Completed Certificate course in Computer Programming (Intermediate level) in Technical Engineering College (Sri Lanka) in 2004.
- Successfully completed Future kids School Technology Curriculum course in Kingswood Center for information Technology in 2002.
- Successfully Completed Diploma in Computer Hardware Engineering with Networking in Turnkey IT Training in 2006.

- **Publication list attached**

Referees

- | | |
|--|--|
| • Prof. H.M.D Namal Priyantha
Director,
Postgraduate Institute of Science,
University of Peradeniya,
Peradeniya (20400),
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- I hereby certify the above particulars are true and accurate to the best of my knowledge

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(Date)

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(Dissanayake D.M.R.E.A)

Publications

Research Papers

1. **Dissanayake, D. M. R. E. A.**, Wijesinghe, W.M.K.E.H, Iqbal, S.S, Priyantha, H.M.D.N and Iqbal, M. C.M. (2016) Isotherm and kinetic study on Ni(II) and Pb(II) biosorption by the fern *Asplenium nidus* L.. *Ecological Engineering*. 88:237-241.
2. Chathuranga, P. D., **Dissanayake, D. M. R. E. A.**, Priyantha, N., Iqbal, S. S., and Mohamed Iqbal, M. C. (2014). Biosorption and Desorption of Lead (II) by *Hydrilla verticillata*. *Bioremediation Journal*, 18(3), 192-203.
3. **Dissanayake, D. M. R. E. A.**, Chathuranga, P. K. D., Perera, P.I., and Iqbal, M. C.M. 2013., Potential use of *Azolla pinnata* as a biosorbent for removal of aqueous lead(II). *International Journal of Biological Sciences and Engineering*. 05, 22-27
4. **Dissanayake, D. M. R. E. A.**, Chathuranga, P.K.D., Perera, P. I., Vithanage, M. and Iqbal, M. C.M. Modelling of Pb(II) adsorption by a fixed bed column.. *Bioremediation Journal* (Accepted on 25th Dec 2015)

Conference Proceedings

1. **Dissanayake, D.M.R.E.A.**, Wijesinghe, W.M.K.E.H., Premalal,L.R.C., Iqbal, S.S, Priyantha, H.M.D.N and Iqbal, M. C.M. 2015., Polymer layer silicate composites in fuchsine dye removal, Conference Abstracts, Green & Sustainable Chemistry Conference, Intercontinental Hotel Berlin, Germany, (Accepted)
2. **Dissanayake, D.M.R.E.A.**, Wijesinghe, W.M.K.E.H, Iqbal, S.S, Priyantha, H.M.D.N and Iqbal, M. C.M. 2015., Adsorption of Fuchsine dye by leaves of Bird's Nest fern (*Asplenium nidus*) Symposium Abstracts, *PGIS Research Congress*, Postgraduate Institute of Science, University of Peradeniya , Sri Lanka, p 3
3. Wijesinghe, W.M.K.E.H., Awanthi, W.T., **Dissanayake, D.M.R.E.A.**, and Iqbal, M. C.M. 2015., Biosorption of Pb(II) using *Trigonospora obtusiloba*. Symposium Abstracts, 4th *International Symposium on Water Quality and Human Health: Challenges Ahead*, Sri Lanka, p 29.
4. **Dissanayake, D.M.R.E.A.**, Wijesinghe, W.M.K.E.H, Iqbal, S.S, Priyantha, H.M.D.N and Iqbal, M. C.M. 2014., Potential use of two different plant species in Ni(II) biosorption, Symposium Abstracts, 2nd *International Symposium on, Driving research towards economy: Opportunities and challenges*, Sri Lanka, p 58.
5. Bokalawella, S,H,K, **Dissanayake, D.M.R.E.A.** and Iqbal, M. C.M. 2014., Removal efficiency of Fluoride ions from aqueous systems by biological materials, Symposium Abstracts, 2nd *International Symposium on, Driving research towards economy: Opportunities and challenges*, Sri Lanka, p 59.

Publications

Conference Proceedings

6. Batagalla, B.W.S.N.K, **Dissanayake, D.M.R.E.A.**, Wijerathne, H.M.S.M, Priyantha, H.M.D.N and Iqbal, M. C.M. 2014., Biosorption of Fuch sine from aqueous solution by seed pod powder of Giant sensitive tree (*Mimosa pigra*) Symposium Abstracts, *2nd International Symposium on, Driving research towards economy: Opportunities and challenges*, Sri Lanka, p 37.
7. **Dissanayake, D.M.R.E.A.**, Wijesinghe, W.M.K.E.H, Iqbal, S.S, Priyantha, H.M.D.N and Iqbal, M. C.M. 2014., Adsorption of Pb(II) by leaves of Bird's Nest fern (*Asplenium nidus*) Symposium Abstracts, *PGIS Research Congress*, Postgraduate Institute of Science, University of Peradeniya , Sri Lanka, p 12.
8. **Dissanayake, D.M.R.E.A.**, Chathuranga, P. K. D., Perera, P.I., and Iqbal, M. C.M. 2014., Adsorption of Pb(II) by *Hydrilla verticillata* biosorbent column Symposium Abstracts, *Peradeniya University International Research Sessions*, University of Peradeniya , Sri Lanka, p 15.
9. **Dissanayake, D.M.R.E.A.**, Wijesinghe, W.M.K.E.H, Iqbal, S.S, Priyantha, H.M.D.N and Iqbal, M. C.M. 2014., Use of *Mimosa pigra* seed pod powder to remove aqueous Pb(II) Symposium Abstracts, *3rd International Symposium on Water Quality and Human Health: Challenges Ahead*, Sri Lanka, p 34.
10. **Dissanayake, D.M.R.E.A.**, Chathuranga, P. K. D., Perera, P.I., and Iqbal, M. C.M. 2013., Potential use of *Azolla pinnata* as a biosorbent for removal of aqueous lead(II) Symposium Abstracts, *2nd International Symposium on Water Quality and Human Health: Challenges Ahead*, Sri Lanka, p 36.
11. **Dissanayake, D.M.R.E.A.**, Chathuranga, P. K. D. and Iqbal, M. C.M. 2013. Desorption of lead (II) from *Azolla pinnata* after biosorption. Proceedings of the 69th annual sessions, *Sri lanka Association for the Advancement of Science. Kelaniya*, Sri Lanka, p 236.
12. **Dissanayake, D.M.R.E.A.**, Chathuranga, P. K. D. and Iqbal, M. C.M. 2012., Desorption of Pb(II) and Cr (III) from metal loaded *Hydrilla verticillata* and *Cabomba caroliniana* biosorbents. Symposium Abstracts, *2nd YSF Symposium 2012*, Colombo, Sri Lanka, p 13.