

# CURRICULUM VITAE

Prof. R.A.Maithreepala, PhD

Department of Limnology & Water Technology  
Faculty of Fisheries and Marine Sciences & Technology  
University of Ruhuna  
Matara (81000) -Sri Lanka



## 1. PERSONAL INFORMATION

1.1 Name	Rajapaksha Arachchilage Maithreepala
1.2 Address (Office)	Department of Limnology & Water Technology Faculty of Fisheries & Marine Sciences, University of Ruhna, Wellamadama, Matara,(81000) Sri Lanka.
(Home)	Telephone: +94-(0)41-2227026 . E-mail: maithree@fish.ruh.ac.lk 161, Darshana, Sr iGunarathana Road Kalahe, Wanchawala, Galle Telephone: +94-(0)91-2233881 +94-(0)71-8022271
1.3 Position	Professor (Chair) of Limnology & water technology Department of Limnology & Water Technology (Dean) Faculty of Fisheries and Maine Sciences &Technology
1.4 Specialties	Mineral water interfacial processes for water treatment, Aquatic chemistry, photochemical reactions for water purification
1.5 Nationality	Sri Lankan
1.6 Gender	Male
1.7 Date of Birth	24 <sup>th</sup> Nov 1965

## 2. HIGHER EDUCATION

Degree	Field of Study	Institution	Period
Doctor of Philosophy (PhD)	Environmental Molecular Science	National Tsing- Hua University, Taiwan .	1998-2004
Master of Philosophy (MPhil)	Environmental Chemistry	University of Ruhuna, Sri Lanka	1994-1998
Bachelor of Science (BSc)	Biological Science	University of Ruhuna, Sri Lanka	1987-1991

### 3. SCHOLARSHIPS & AWARDS

Name of the Scholarship/Award	Institute of Award	Year
Presidential awards for scientific publications	National Science Foundation of Sri Lanka	2009
Presidential awards for scientific publications	National Science Foundation of Sri Lanka	2008
Alexander Von Humboldt post- doctoral Research Fellowship	Alexander Von Humboldt Foundation, Germany	2007
Award for the best research and presentation	Chinese Institute of Environmental Engineering	2005
PhD fellowship from National Science council attached to Department of Atomic Science, National Tsing Hua University	National Science council ,Taiwan (ROC)	2002
General Scholarship for Foreign students, Taiwan (R.O.C)	Ministry of Higher Education, Taiwan(ROC)	2003

### 4. EMPLOYMENT RECORD

Institution	Position/Title	Period
University of Ruhuna.	Professor of Limnology & Water Technology	2018-todate
	Professor in Limnology & Water Technology	2017 - 2018
	Senior Lecturer (II)	2006 - 2017
Tubingen University	Visiting Scientist	2006 - 2007
National Tsing-Hua University, Taiwan	Visiting Scientist	2005 - 2006
University of Ruhuna	Demonstrator	1996 - 1998

### 5. UNIVERSITY / NATIONAL DEVELOPMENT ACTIVITIES

5.1 Position in the University Level	Period	
	From	To
Chairman Board of Study Fisheries and Marine Sciences	2018	date
Chairman of the committee for Self Evaluation report Degree programme Review-2020-2021	2019	date
Faculty representative for senate	2017	2019
Dean of the Faculty of Fisheries and Marine Sciences & Technology .	04-12-2014	03-12-2017
Acting Dean /Dean for covering up duties) of the Faculty of Fisheries and Marine Sciences.	07-10-2008	13-10-2008
	31-05-2009	06-06-2009

	02-12-2001	08-12-2011
	28-01-2013	01-02-2013
	22-11-2013	26-11-2013
	25-04-2013	01-02-2013
	04-06-2014	23-06-2013
	27-08-2014	03-09-2014
Head of the Department of Limnology	16-02-2007	03-12-2014
Head of the Department of Oceanography & Marine Geology (covering up duties)	03-09-2014	07-09-2014
Acting Head of the Department of Fisheries & Aquaculture	26-05-2015	31-05-2015
Coordinator for the Service Laboratory of the Faculty of Fisheries and Marine Science & Technology up to date.	2013	to date
Deputy proctor of the Faculty of Fisheries and Marine Sciences & Technology	01-10-2009	04-12-2014
Secretary of the 7 <sup>th</sup> Academic Sessions and sixth Vice Chancellor's Award Ceremony which was held at the Faculty of Engineering Hapugala on March 2011.		2011
<b>5.2 Positions/Activities in National level</b>		<b>Period</b>
Principle Investigator of Water Quality team of Port Biological Baseline Survey -Colombo National project.		2013- 2016
Principal Investigator for water Quality, environmental group of Tricomalee port Baseline biological survey of Trincomale harbour		2013- 2016
Member of the National Project Team of Fukushima marine Environmental project. Project No IAEA/RAS/7/021: Marine Benchmark study on the possible impact of Fikushima radioactive release in the Asia-Pacific Region		2011-2015
Membervof the National Project Team of Fukushima marine Environmental project IAEA/RAS/7/024: Supporting nuclear and Isotopic Techniques to Assess Clmate Change for Sustainable Maine Environment (2013-2015)		2013-2015
Member of the committee for the formation of strategies for the implementation of National Research and Development Framework (NRDF) (water section). I actively participated for this event during 24th -25 <sup>th</sup> November 2016		2016
Member of the National Committee on Livestock, Aquaculture & Fisheries of Sri Lanka Council for Agricultural Research Policy (SLCARP), Ministry of Agriculture-2016.		2016-2017

## 6.0 PARTICIPATION IN CONTINUEING PROFESSIONAL DEVELOPMENT (CPD) PROGRAMMES

6.1 Progamme/Seminar/ workshop	Year
<p><b>Resource person:</b> Performed as the resource person for training course in professional Development programme for school graduate teachers in Galle Educational zone in consecutive two years 2009 and 2010 which was conducted in Unawatuna Teacher Centre</p>	<p>2009 2010</p>
<p><b>Resource person:</b> Bilingual Teacher Training Programme of Ministry of Education in Galle Educational zone. This programme was conducted for bilingual science teachers in Galle educational zone and organized by bilingual unit of Ministry of Education. Training sessions were held in Unawatuna Teacher Centre in 2009 and 2010 in week-ends.</p>	<p>2009 2010</p>
<p><b>Faculty coordinator</b> for maintaining the stall of the Faculty of Fisheries and Marine Sciences &amp; Technology at the 264<sup>th</sup> Mahapola Exhibition-2009 at Ruhunu Vijaya ba Vidyalaya, Beliatta where general public came to know about the importance of natural biotic &amp; abiotic resources and sustainable utilization of them.</p>	<p>2009</p>
<p><b>Resource person:</b> National Water Quality Monitoring Programme. I was the resource person for this workshop to deliver lecturer on “Collection, Preservation and Transport of water samples to Determine physical and chemical parameters”, which was organized by Marine Environment Protection Authority (MEPA) of Sri Lanka in order to train officers and held at the Auditorium of Sri Lanka Foundation, Colombo 07 during 11<sup>th</sup>-12<sup>th</sup> June 2015.</p>	<p>2015</p>
<p><b>Representative in-2015 Stakeholder Workshop:</b> I contributed for Preparation of draft manual for Review of Undergraduate Study Programmes of Sri Lankan Universities and Higher Education Institutions during 16<sup>th</sup>-17<sup>th</sup> October 2015.</p>	<p>2015</p>
<p><b>Resource person:</b> I delivered a lecture on “Oil spill dispersant protocol-Efficiency” to stakeholder agencies relevant to marine protection and oil spill prevention in Sri Lanka in order to draft a national policy for the use of Oil dispersants in Sri Lanka. This workshop was organized by Marine Environment protection Authority of Sri Lanka on the 30<sup>th</sup> June 2017,. The venue was Auditorium of Centre for Banking Studies, Rajagiriya.</p>	<p>2017</p>
<p><b>The member of Quality Assurance Cell of the Faculty of FMST.</b> As the Faculty representative I contributed for the preparation of Institutional Review Report of University of Ruhuna (From 2009 to 2012)</p>	<p>2009-2012</p>

## 7.0 INSTITUTIONAL DEVELOPMENT

### 7.1 Introduction of new courses/new degree programs

Appointed member of Curriculum Development Committee for the Degree programme of B.Sc in Fisheries and Marine Sciences, the Faculty of Fisheries and Marine Sciences & Technology. This committee was appointed at the 03<sup>rd</sup> Faculty Board of the Faculty;

Curriculum of Course module of Geological and Geographical Aspects related to Aquatic Systems (LIM 4121), Department of Limnology, Faculty of Fisheries and Marine Science & Technology( 15 hrs theory and 9 hrs practical) was introduced by me and It was conducted at the first time by me at the faculty.

I developed the course materials and conducted the following course modules **at the First time** for the BSc in Fisheries and Marine Science Degree programme.

Origin and Evolution of Freshwater systems and their Limnology (LIM1112)at the Department of Limnology for the students in 2007-2008 and thereafter in 2014.

Physical and Chemical Limnology (LIM1122)at the Department of Limnology for the first time for students of the 1<sup>st</sup> batch in 2006 and thereafter in 2014.

Aquatic Toxicology (LIM2222) at the Department of Limnology for the first time in 2007-2008academic year for 2006-2007 batch (1<sup>st</sup> batch of students of the faculty).

Water and wastewater treatment (LIM3113)at the Department of Limnology for the first time in the B.Sc in Fisheries and Marine Science Degree programme in 2008-2009 academic year for 2006-2007 batch (1<sup>st</sup> batch of student at level-III the degree programme the faculty)

Hydrology and Hydrography (LIM3212) at the Department of Limnology for the first time in B. Sc in Fisheries and Marine Science Degree programme in 2008-2009 academic year for 2006-2007 batch (1<sup>st</sup> batch of the faculty)

### 7.2 Curriculum planning and development

As a member of curriculum revision committee I contributed for the revision for the curriculum of the degree programme of B. Sc in Fisheries and Marine Science Degree-2015.

As a member of curriculum development committee, I contributed for the development of a new curriculum for the Newly introduced degree programme of BSc in Marine and Freshwater Sciences Honors (specializing in water sciences & Technology) Degree-2015.

Participation and Contributions made at the “Stakeholder Workshop on programme Review Manual” which was organized by the HETC project of Ministry of Higher Education in order to obtain the views of the faculties on draft: Programme Review on 16<sup>th</sup>and 17<sup>th</sup> October 2015.

Member of the Team of 1<sup>st</sup> -Curriculum Revision for the Aquatic Resources Technology Degree Programme of Uva Wellassa University of Sri Lanka. I participated this workshop held in Aubrona Hotel, Hunupitiya Road, Kiribathgoda on 18<sup>th</sup> & 19<sup>th</sup> October 2016 as a member of expertise group in the field of Aquatic Environmental Science.

Member of appointed committee by 275<sup>th</sup> senate for the “formation of by-Law of certificated Diploma and Higher diploma programmes, according to Sri Lanka Qualification framework in 2013”.

## 8. PUBLICATION

### 8.1 Peer Reviewed Full paper publications

Pathirana Hema M.K. K, and **R.A. Maithreepala** (1997) Photodegradation of 3, 4-dichloropropionamide in aqueous TiO<sub>2</sub> suspensions. *Journal of Photochemistry and Photobiology A: Chemistry* 102 (2): 273-277.

Doong, R. A., **R. A. Maithreepala**, and S. M. Chang. (2000) Heterogeneous and homogeneous photocatalytic degradation of chlorophenols in aqueous titanium dioxide and ferrous ion. *Water Science and Technology* 42 (7-8): 253-260.

RA Doong, CH Chen, **RA Maithreepala**, SM Chang (2001). The influence of pH and cadmium sulfide on the photocatalytic degradation of 2-chlorophenol in titanium dioxide suspensions. *Water research* 35 (12): 2873-2880.

**R.A. Maithreepala**, and Ruey-an Doong (2004). Synergistic Effect of Copper ion on the Reductive Dechlorination of Carbon Tetrachloride by Surface-Bound Fe (II) Associated with Goethite. *Environmental science & technology* 38(1): 260-268

**R.A. Maithreepala**, and Ruey-an Doong (2004). Reductive Dechlorination of Carbon Tetrachloride in Aqueous Solutions Containing Ferrous and Copper Ions. *Environmental science & technology* 38 (24): 6676-6684.

**R. A. Maithreepala**, and R-A. Doong (2004). Enhanced remediation of carbon tetrachloride Fe (II)-Fe (III) systems in the presence of copper ions. *Water Science & Technology* 50 (8): 161-168.

**R.A. Maithreepala**, and Ruey-an Doong (2005). Enhanced Dechlorination of Chlorinated Methanes and Ethenes by Chloride Green Rust in the presence of Copper(II). *Environmental science & technology* 39 (11): 4082-4090.

**R. A. Maithreepala**, and Ruey-an Doong (2008). Effect of biogenic iron species and copper ions on the reduction of carbon tetrachloride under iron-reducing conditions, *Chemosphere* 70( 8): 1405-1413

**R. A. Maithreepala**, and Ruey-an Doong (2009). Transformation of carbon tetrachloride by biogenic iron species in the presence of *Geobacter sulfurreducens* and electron shuttles. *Journal of Hazardous Materials* 164.(1)337-344.

Asanthi and **R. A. Maithreepala** (2014) The benthic macro-invertebrate diversity in relation to water quality of a stream habitat at Dediyaigala, Sri Lanka. *Sri Lanka Journal of Aquatic Science* vol 19,15-29.

**R.A. Maithreepala**, Doong, R. A. (2013) Extraction of Trace Elements in Human Fluids Using Cation Exchange Resin (Chelex-100) Columns for ICP-MS analysis, *Journal of University of Ruhuna*. Vol 01 No 02: 23-30.

Aththanyaka, W. K. A. M. T. S., H. B. Asanthi, and **R. A. Maithreepala**. (2014) An assessment of the effects of hospital wastes released to Nilwala river, Matara. *Journal of the University of Ruhuna* 2, No. 1-2: 33-39.

W. K Suwandhahannadi, **R. A Maithreepala** and H. B. Asanthi (2014) Assessment of the Acute Toxicity of Oil Dispersant Type 3 (4- amino-1, 2 dithiolane- 4- carboxylic acid) on *Abudefduf vaigiensis* Under Laboratory Conditions. *Asian Journal of Natural & Applied Sciences* Vol 3, No 4.:14-22

Rajapaksha, B.M. M, **R. A. Maithreepala**, H. B. Asanthi (2014) Water quality and biology of hot springs waters of Mahapelessa, Sri Lanka. *Scientific Research Journal (SCIRJ)*, Volume II, Issue XII, December 2004.

M.V.K.S.Wichramanayake, **R. A. Maithreepala** and H.B. Asanthi (2016). Efficiency assessment of an oil dispersant (Adt type 3) by Swirling flask test & Baffled flask test under laboratory condition. *International Journal of Scientific and Research Publications*. Volume 6. Issue 7, July 2016

H.C.C.De Silva, **R. A. Maithreepala**, H.B.Asanthi and T. Priyadarshana (2016). Spatial and Temporal Variation of Physico-chemical Parameters and Primary Productivity in Muruthawela Reservoir, Sri Lanka. *Asian Journal of Agriculture and Food Sciences*. Volume 04-Issue 04, August 2016.

Ruey-An Doong, **RA Maithreepala**, Sue-Min Chang (2005), Coupled Transformation of Carbon Tetrachloride and Copper Ion by Nanocrystalline Ferric Oxides and Ferrous Ions. *Journal of Colloidal and interfacial science* 界面科學會誌 Vol.27 No.1, pp 65-75.

**R. A. Maithreepala**, & Doong, R. A.(2006) Dechlorination of Chlorinated Methanes by Ferrous ion associated with various iron oxide minerals. *Journal of Environmental Engineering and Management*, Vol. 16, No. 4, pp. 225-231.

**R. A. Maithreepala** and S.B. Haderlien (2009) Effect of Organic matter on the Reductive Dechlorination of Chlorinated Hydrocarbons by Surface-mediated Fe(II) Associated with Goethite. *Proceedings of the Sixth Academic Sessions, University of Ruhuna*. Vol 6,44-49.

K.M.D. Subashini, H.B.Asanthi and **R. A. Maithreepala** (2013) Dental fluorosis and consumption of groundwater: A case Study in Madagama GN Division, Moneragala. Water Resources Research in Sri Lanka. *Symposium proceedings of the water professionals' day*, October 01, 2013 127-135

K.M.D. Subashini, H.B.Asanthi and **R. A. Maithreepala** (2013) Dental fluorosis and consumption of groundwater: A case Study in Madagama GN Division, Moneragala. Water Resources Research in Sri Lanka. *Symposium proceedings of the water professionals' day*,

B.H.D.Wijerathne, **R. A. Maithreepala** and H.B. Asanthi (2013) Impact of Land use patterns in catchment of Nilwala River on water quality. *Water Resources Research in Sri Lanka*. Symposium proceedings of the water professionals' day, October 01, 2013 page 161-171.

R.M.C.R.P.Bandara, **R.A.Maithreepala** and P.T.Kirinde Arachchige (2012), Effect of Environmental Factors on Manganese Levels in Muruthawela Reservoir, A Major Drinking Water Source in Hambantota District in South Sri Lanka *Water Resources Research in Sri Lanka*. Symposium proceedings of the water professionals' day, October 01, 2012 163-174.

**R.A.Maithreepala**, (2013) Behavior of Arsenic in hydro-geochemical environment: A short review.*ROHANA Research journal of University of Ruhuna,09*, 99-122.

## 8.2. PEER REVIEWED PRESENTATIONS AT NATIONAL/INTERNATIONAL CONFERENCE/SYMPOSIUM PUBLISHED AS ABSTRACTS.

Rasanjalee A.A.M.D, Jayasinghe,U.A.D., **Maithreepala R.A.**(2019) An Assesment of the effectiveness of Drinking Water Purification System used in a CKDU prone area: a Case study from Madawachchiya. Proceeding of the 24<sup>th</sup> International forestry and Environment symposium-2019. 11<sup>th</sup>-12<sup>th</sup> October 2019 at Jetwing Bue,Negambo, Sri Lanka. Page72.

Buddhi Prasad, H.G.S., **Maithreepala.R.A.**, and Asanthi,H.B. (2019) Assessment of the quality of water in selected dug-wells in walasmulla area and possible use of Pumpkin (*Cucurbita pepo*) and Kottamba (*Terminalia catappa*)seeds to correct the pH level. Proceeding of the 25<sup>th</sup> Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)19<sup>th</sup> August 2019. Faculty of Fisheries and Marine Sciences &Technology, University of Ruhuna, Matara Sri Lanka. Page 05.

Gunathilaka,K.P.D., Atapaththu,K.K.S., and **Maithreepala, R.A.**(2019), Combine effect of substrate and water flow rate on *Aponogeton crispus*, *Hydrilla verticillata* and *Vallisneria natans*. Proceeding of the 25<sup>th</sup> Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)19<sup>th</sup> August 2019. Faculty of Fisheries and Marine Sciences &Technology, University of Ruhuna, Matara Sri Lanka. Page 18.

Nifkhan,N.M and **Maithreepala,R.A.** (2019), Bioremediation capacity of *Perna viridis* (Green Mussels) in Biological effluents from different sources. Proceeding of the 25<sup>th</sup> Anniversary Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources (SLAFAR)19<sup>th</sup> August 2019. Faculty of Fisheries and Marine Sciences &Technology, University of Ruhuna, Matara Sri Lanka. Page 25.

Hapuarachchi,E.P., **Maithreepala,R.A.**, Jayasinghe,U.A.D (2018) Possible Application of *Bacopa monnieri* to treat wastewater with textile dye at moderately high salinity conditions. Proceedings of 15<sup>th</sup> Academic Sessions of University of Ruhuna. Page 43. ISSN 2362-0412.

Jayalath, G.E.D., **Maithreepala,R.A.**, and Kodikara, G.R.L.(2018), Study on Geological and Chemical Factors controlling calcite deposition in natural waters (Tufa) at Handagiri Ella, Balangoda,Sri Lanka. Proceedings of 15<sup>th</sup> Academic Sessions of University of Ruhuna. Page 44. ISSN 2362-0412.



Saranathilaka, M. N and **R.A.Maithreepala** (2017), Softening and Defluoridation of Domestic Drinking water Using Seeds Extract of *Moringa Oleifera* and *Strychnos Potatorum*. Book of Abstract 14<sup>th</sup> Academic Sessions of University of Ruhuna-2017, page 69. ISSN 2362-0412.

S.A.A.W. Sandam,ali, G.G.Jayasinghe, **R.A.Maithreepala** and K.L. Wasanthakumara (2017) Studing Disease Development of Rough Bark Disease of Cinamon (*Cinnamomum zeylanicum Blume*).Proceedings-Student Session, *International Symposium on Agriculture & Environment (ISAE)-2017*, page 15.

Priyadarshani, K., **R.A.Maithreepala**, (2016), Influence of Salt Water Barrier on Upstream Water and Sediment Quality: A case Study from Ambalantota Drinking Water pumping Station of Walawe River in Sri Lanka. Book of Abstract of 13<sup>th</sup> Academic Sessions of University of Ruhuna-2016, page 76. ISSN 2362-0412.

C. Wickramasinhe, P. T. Kirinde Arachchige, and **R.A.Maithreepala** (2015) Resource Efficient Cleaner Production of Rubber Processing Factory Located at Horana, Sri Lanka, Proceedings of International Symposium on “*Environmental Management and Planing*” Organized by Central Environmental Authority of Sri Lanka, page, 23. ISSN 2362-0412.

Arachchige, **R. A. Maithreepala**, H.B. Asanthi (2015) A Greener Method for Reduction P. T. K. of COD and Zinc Level in Textile Effluents during Primary Treatment Process. Proceedings of the First International Symposium on Environmental Management and Planing, 23<sup>rd</sup>-24<sup>th</sup> February 2015, Page 29.

Nayeem, V., **R. A. Maithreepala** and H. B. Asanthi (2015), Free-floating Aquatic Plants in Modified Constructed Wetland Systems for Enhancing Treatment Efficiency in Textile Dye Effluents. Book of Abstract of 12<sup>th</sup> Academic sessions of University of Ruhuna page 75. ISSN 2362-0412.

T.P.D.S.Bandara, H.B.Asanthi and **R. A. Maithreepala** (2015) Determination of water Quality and evaporation of the tropic state of Udukirivila reservoir, weeraketiya, Sri Lanka. *Proceedings of International Conference on Dryzone Agriculture-2015 (ICDA 2015)*, which was held at the Faculty of Agriculture, University of Jafna during 15<sup>th</sup>-16<sup>th</sup> October 2015.

H.C. C.De Silva, **R.A. Maithreepala**, H.B.Asanthi and T. Priyadarshana (2014) Vertical variation of primary productivity and phytoplankton Density in Muruthawela Reservoir in Sri Lanka. *Book of Abstracts of SLCARP International Agricultural Research Symposium-2014*, page119. ISSN 2362-0412.

De Silva, H.C.C., **R.A. Maithreepala**, H.B. Asanthi, and T. Priyadarshana (2014), Diurnal Vertical Distribution of Zooplankton with Variations of Basic Physico Chemical Parameters in Muruthawela Reservoir. Book of Abstract of 11<sup>th</sup> Academic Sessions of University of Ruhuna-2014, page 93.

P. Rajiharan, **R.A.Maithreepala** and H.B. Asanthi (2014) Efficiency of *Typha Latifolia* (Broad-Leaved Cattail) for treatment of Municipal wastewater from Batticaloa Urban council using constructed wetlands. Presented at the 11<sup>th</sup> Academic sessions of University of Ruhuna.

Aththanayaka, W.K.A.M.T.S., Asanthi, H.B, and **Maithreepala, R.A.** (2013) Assessment of the effect of hospital wastes release to Nilwala river, Matara on the River Water Quality. Book of Abstract of the 10<sup>th</sup> Academic session of University of Ruhuna. Page 26

Madushanka, H.M.T.C, Asanthi, H.B., and **Maithreepala, R.A.** (2013). Assesment of the water Quality and macro-benthos diversity in a stream ecosystem, Dediya gala, Matara. Proceedings of the *Ninteenth Sessio ns of the SLAFAR* which was held during 16<sup>th</sup>-17<sup>th</sup> May 2013. Page 22.

**Maithreepala, R.A** and Haderlien, S.B (2013) Increased Reductive dechlorination of Chlorinated Hydrocarbons in Surface-Mediated Fe(II) Associated with Goethite by adding Low Concentration of Quinone Moities. "*International Humboldt Kolleg on Management of Water, Energy and Bio-resources in Changing Climate Regime: Emerging Issues and Environmental Challenges*" which was conducted at School of Environmental Sciences in Jawaharlal Nehru University, India during 8-9 February 2013.

**R.A.Maithreepala** and Ruey-an Doong (2012) Development of an extraction method for analysis of trace elements in human blood and urine using home-made Cation Exchange Resin (Chelex-100) columns for ICP analysis. Book of Abstract of 09<sup>th</sup> Academic Sessions of University of Ruhuna-2012, page 29.

R.M.C.R.P.Bandara, **R.A.Maithreepala**, P.T.Kirinde Arachchige and H.B. Asanthi (2012), Seasonal variation of Manganese species in Muruthawela Reservoir: A Drinking Water Resource in Hambantota District. *Water Quality and Human Health: Challenges ahead*. Symposium proceedings of the water professionals' day, organized by, Postgraduate Institute of Science (PGIS), University of Peradeniya, Sri Lanka and Toyama Prefectural University, Japan, March 22-23,.

**R.A.Maithreepala** (2011) Influence of Humic acid and quinone moities on the reductive dechlorination of chlorinated hydrocarbons in natural Fe(II)-Fe(III) systems. Proceedings of the *Seventh Annual Scientific Sessions of SLAFAR*. 19<sup>th</sup>-20<sup>th</sup> May 2011. Page 37.

**R.A. Maithreepala** and S.B. Haderlien (2009) Effect of natural organic matter on the reductive dechlorination of chlorinated hydrocarbons by surface mediated-Fe(II) associated with Goethite. Book of Abstract 6<sup>th</sup> Academic sessions of University of Ruhuna. Page 39.

**R.A. Maithreepala** and R-A, Doong (2007). Dechlorination of Carbon tetrachloride by Ferrous Iron associated with Iron Oxide nano particles. Programme and Abstracts of the Forth Academic sessions, University of Ruhuna. Page 30.

**R.A. Maithreepala**, Ruey-an Doong, YengLung Lai and Bernhard Shink (2001). Reduction of chlorinated hydrocarbons in the presence of ferrihydrite using cysteine as an electron carrier. This papers at the American chemical society vol. 223, page U-601.

Hema M. K. Pathirana and **R. A. Maithreepala** (1998). A Novel Chemical Method for Remediation of Persistent Pesticides. Session D3 of the First International Conference on "*Remediation of Chlorinated and Recalcitrant compounds*" Which was held in Double Tree & Marriott Hotels/ Monterey Conference Centre, Monterey, California, USA during 18-21-May 1998. Page 127.

**R. A. Maithreepala** and Hema, M.K.K. Pathirana (1996), Photodegradation of Organic pollutants by semiconductors. Proceedings part 1 of the 52<sup>nd</sup> Annual session of Sri Lanka Association for the Advancement of Science. E2-46 Page 217,

**R.A. Maithreepala**, Hema M.K.K. Pathirana (1997) Degradation of Persistent Organophosphorous pesticide by using TiO<sub>2</sub> as a Photocatalysts. Proceedings of 53<sup>rd</sup> Annual session of Sri Lanka Association for the Advancement of Science. E2-46 Page 370.

Hema.M.K.K. Pathirana, **R.A.Maithreepala**, P.R.T. Cumaranatunga and G. Bandarage,(1995) Heavy metal Pollution in a Lagoon in the southern region of Sri Lanka .Contaminated Soils, Third International Conference on The Biogeochemistry of Trace Elements. 15-19 May 1995 in Paris France. Section B2.

**R.A.Maithreepala**, Hema M.K.K. Pathirana and P.R.T. Cumaranatunga (1996) Bio Accumulation of heavy metals in edible fish in a lagoon of Southern Sri Lanka. Programme & Abstract of Papers of Regional Workshop on “*Research for the Management of Coastal Resources in the Tropics*” held during 09<sup>th</sup>-10<sup>th</sup> October 1996 at NARA.

H.M.K.K.Pathirana, **R.A. Maithreepala** and P.R.T. Cumaranatunga (1997). Accumulation of Heavy Metals in Fin-Fish from a Lagoon in Sri Lanka. Proceedings of “*Fourth International Conference on the Biochemistry of Trace Elements*” Which was held in Clerk Kerr Campus, Berkeley, California, USA.

## 9. CERTIFICATION

I certify that the above particulars are true and accurate to the best of my knowledge and belief.

Prof. R.A.Maithreepala (PhD)

Last update: 12<sup>th</sup> February 2019