

## **CURRICULUM VITAE: Nanda Wipula Bandara BALASOORIYA**

### **Personal Details**

Full Name: Nanda Wipula Bandara BALASOORIYA  
Date of Birth: 13.11.1969  
Personal Address: No.119, Galmaduwa Estate, Kundasale, Sri Lanka.  
Tel; +94 71 80 414 23  
Email; [n123.balasooriya@gmail.com](mailto:n123.balasooriya@gmail.com)

Occupation: Senior Lecturer, Department of Geology, University of Peradeniya.

Official Address: Department of Geology, University of Peradeniya, Peradeniya, Sri Lanka.  
Tel; +94 (0)81 2394222  
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### **Education Summary**

First Degree	B.Sc. Special Degree ( <b>Second Class-Upper Division</b> ): Geology (Major Subject) and Chemistry (Subsidiary subject)
Date obtained	19 <sup>th</sup> April 1996
Institution	University of Peradeniya, Sri Lanka
Duration of the Course	Four Years

Postgraduate Degree (I)	M.Phil. in Earth Science
Title of the thesis	<b>Geology, Microstructure and Chemistry of some vein graphite deposits of Sri Lanka</b>
Date obtained	20 <sup>th</sup> September 2001
Institution	Postgraduate Institute of Science (PGIS), Sri Lanka.

Postgraduate Degree (II)	Ph. D.
Title of the thesis	<b>Physical, Chemical and Electrochemical characteristics of vein graphite in Sri Lanka: Application to Alkaline and Lithium Batteries</b>
Date obtained	17 <sup>th</sup> December 2004
Institution	Institute of National Polytechnic of Grenoble (INPG), France.

Post Doc Research	Project: <b>Hydrogen Storage in Mg Nanocomposites</b>
Duration	Two months (15.10.2005 – 15.12.2005)
Institution	Institute of National Polytechnic of Grenoble (INPG), France.

### **Work Experiences**

01.02.2017 – To date **Senior Lecturer**, Department of Geology, University of Peradeniya  
15.08.2011 – 31.01.2017 **Senior Lecturer**, Dept. of Physical Science, South Eastern University of Sri Lanka  
15.08.2005 – 15.08.2011 **Senior Lecturer**, Dept. of Physical Science, South Eastern University of Sri Lanka  
15.08.2000 - 15.08.2005 **Lecturer**, Dept. of Physical Science, South Eastern University of Sri Lanka  
01.04.1998 - 15.08.2000 **Lecturer (Temporary)**, Dept. of Physical Science, South Eastern University of Sri Lanka  
01.04.1997 - 31.03.1998 **Research Assistant**: Postgraduate Institute of Science (PGIS), Sri Lanka  
01.01.1997 - 31.03.1997 **Demonstrator**: Dept. of Geology, University of Peradeniya, Sri Lanka  
01.06.1997 - 01.11.1997 **Research Assistant**: Global Environment facility Project (GEF) on Development of Wild life conservation and protected area management of Victoria-Randenigala-Rantambe Sanctuary, Sri Lanka

## Workshops and Training Experiences

11 Sept. 2018	Training Workshop on <b>Sexual and Gender - Based Violence (SGBV) for Academic Staff</b> , Organized by the Staff Development Center (SDC), University of Peradeniya, Peradeniya.
22 Sept. 2016	Seminar on “ <b>Scientific Research; Planning, Implementation and Dissemination</b> ”, Organized by the Staff Development Center (SDC), South Eastern University of Sri Lanka, Oluvil.
17 Jan.-03 Feb. 2016	<b>A Special Training course on “Nanofabrication Technologies”</b> , conducted at the Center for Nano Science and Engineering, Indian Institute of Science (IISc), Bengaluru, India.
12 Aug. 2015	Workshop on <b>Collaborative Research Programs between Queensland University of Technology (QUT) and University Grants Commission (UGC)</b> .
Feb. 2015	Workshop on <b>Creating Vibrant Research Culture and a Rich Intellectual Atmosphere in Sri Lankan Universities</b> , University Grants Commission (UGC).
Nov. 2014	Workshop on <b>HORIZON 2015: Collaborative with EU Researchers for Research Excellence</b> , University Grants Commission (UGC).
5-6 Sept. 2014	Field Excursion on <b>Recent Contribution to the Geology of Sri Lanka</b> , organized by the Geological Society of Sri Lanka (GSSL).
13 March 2014	<b>Workshop on Grading System for Auxiliary/Enhancement Courses</b> , organized by SDC, South Eastern University of Sri Lanka.
18-19 Jan. 2013	<b>Strategic Planning Review Workshop</b> , Organized by the Ministry of Higher Education
4-5 Dec. 2012	Workshop for “ <b>Career Guidance Advisers and Counselors</b> ”, Organized by the National Science Foundation.
11 Sept. 2012	Workshop on “ <b>Ethical and Moral Challenges of Nanotechnology</b> ”, Organized by the National Science Foundation.
28-19 June 2012	Workshop on “ <b>Current Status and Future Trends in Thin Film Solar PV Technology</b> ”, Co-organized by Institute of fundamental studies and National Science Foundation, Sri Lanka in collaboration with the Sivananthan Laboratories, Bolingbrook, IL, USA.
05 June 2012	Workshop on “ <b>Introduction to sampling and basic principles of sample selections with special reference to S &amp; T research</b> ”, Organized by Section D ( Life and Earth Sciences) of the SLASS.
13-15 Dec. 2011	<b>Global Forum of Sri Lankan Scientists: Empowering Sri Lanka through Networking and Knowledge Sharing</b> , Colombo.
19-24 May 2009	18 <sup>th</sup> Short Course on “ <b>Geographical information Systems, GIS and Its Applications</b> ”, Postgraduate Institute of Science (PGIS), Peradeniya, Sri Lanka.
02-06 March 2009	Training Course on “ <b>Lessons Learnt from the 2004 Indian Ocean tsunami Disaster, Rehabilitation and Reconstruction Process in Aceh, Indonesia</b> ” conducted by the Disaster Mitigation Research Center, Syiah Kuala University, Banda Aceh, Indonesia.
24 Dec. 2008	Workshop on “ <b>Innovative and Interactive teaching Methods</b> ”, Organized by the Quality Relevance and Accreditation Council (QAAC) and IRQUE Project, South Eastern University of Sri Lanka, Oluvil.
28-29 Oct. 2008	Workshop on <b>Disaster Management (Frameworks for Disaster Planning and Education for Disaster Preparedness)</b> , Organized by CIDA Restore Project- South Eastern University of Sri Lanka, at University Park, Oluvil.
11 Oct. 2008	Workshop on “ <b>Quality Related Issues in Higher Education</b> ”, Organized by quality Assurance and accreditation Council (QAAC) and IRQUE Project at Hotel Topaz, Kandy.
22 Feb. 2008	Workshop on <b>Leadership Innovation and Entrepreneurship</b> , Organized by CIDA Restore Project- Sri Lanka, at Tourmaline Hotel, Kandy.
20-21 Feb. 2008	Workshop on <b>Peace and Conflict Resolution</b> , Organized by CIDA Restore Project- Sri Lanka, at Tourmaline Hotel, Kandy.
18-19 Feb. 2008	Workshop on <b>Programme Planning, Monitoring and evaluation</b> , Organized by CIDA Restore Project- Sri Lanka, at Tourmaline Hotel, Kandy.

25-26 Nov. 2007	Workshop on <b>Distance Learning Development, Implementation and Capacity Building</b> , organized by Staffordshire University, UK, at HRDI, Colombo.
25- 31 Oct. 2007	Workshop on <b>Post Tsunami Rebuilding and Recovery in India</b> , Center for Research in International New Economic Order: Chennai, India.
2-6 July 2007	<b>“SCRATCH” Symposium &amp; Workshop on Disaster Management</b> : Capacity Building in Risk assessment & Disaster Management, organized by AIT, Thailand, ITC, The Netherlands and Geological Society of Sri Lanka (GSSL), at the PGIS, University of Peradeniya.
04 June 2005	Workshop on <b>“Education in Science: Present Status and Future Directions”</b> , The Standing Committee on Sciences of the University Grants Commission (UGC) at Kandy.
27 -29 Sept. 2005	Workshop on <b>“Information Technology (IT)”</b> , The Staff Development Centre South Eastern University of Sri Lanka.
June, 2002-2003	<b>Certificate in Teaching in Higher Education (CTHE)</b> of the Staff Development Center, University of Colombo, Sri Lanka
9-10 June, 2001	<b>Workshop on Oceanography</b> : Postgraduate Institute of Science (PGIS), Sri Lanka
23-24 Mar., 2001	<b>Workshop on Active Communication</b> : The British Council, Kandy, Sri Lanka
13-15 Feb., 2001	<b>First National Workshop on Computer Based Interactive Physics Teaching</b> : Postgraduate Institute of Science (PGIS), Sri Lanka
15-17 Sept., 2000	<b>National Workshop on Scientific Writing</b> : Postgraduate Institute of Science (PGIS), Sri Lanka
01-02 April, 2000	<b>Workshop on Scientific Writing</b> : Postgraduate Institute of Science (PGIS), Sri Lanka

## Conferences

11 Nov. 2014	COSTI Roundtable Discussion Series III: Value Addition of Quartz and Silica, at SLIDA, Colombo.
09 Jan. 2014	COSTI Roundtable Discussion Series I: Value Addition of Graphite, at SLFI, Colombo.
24-25 Aug. 2012	First National Nanotechnology Conference -2012. At Mount Lavinia
13-15 Dec.2011	Global Forum of Sri Lankan Scientists: Empowering Sri Lanka through Networking and knowledge Sharing, Colombo.
03 – 07 Oct. 2011	The Second World Landslide Forum, Rome, Italy.
10-11 Jan. 2011	Symposium to felicitate IPPS for long term support to Physics research in Sri Lanka, PGIS, Uni. of Peradeniya, Sri Lanka.
21 – 22 July 2007	The National Conference On Advanced Materials For Emerging Technologies (NCAMET 2007), at the Postgraduate Institute of Science (PGIS), University of Peradeniya .
16-18 July 2010	Sixth Sri Lanka Conference on Science and Technology ( BICOST – VI), Hotel Suisse, Kandy.
04 – 09 Feb. 2007	The First Celebration of the Presidency of His Excellency Mahinda Rajapaksa- UGC Exhibition, BMICH, Colombo.
06 – 09 Dec. 2006	The 3 <sup>rd</sup> International Conference on Ionic Devices (ICID-2006), Anna University , Chennai, India.
12 – 16 June, 2006	The 10 <sup>th</sup> Asian Conference of Solid State Ionics (ACSSI-10), Postgraduate Institute of Science, University of Peradeniya, Sri Lanka
15-18 Sept., 2003	Journées scientifiques du Groupe Français d’Etude des Carbones (GFEC) : Praz-sur-Arly, France
01-05 June, 2003	12 <sup>th</sup> International symposium on intercalation compounds (ISIC 12), Poznan, Poland
25-28 Mar., 2002	Journées scientifiques du Groupe Français d’Etude des Carbones (GFEC): Grenoble, France
30 Sept. 2002	Use of Ground Water for Agriculture in Sri Lanka, University of Peradeniya, Sri Lanka

### Invited Lectures (as a resource person)/ Visiting Lectures/ Visiting Researcher

29.10.2014 – To date	<b>Visiting Researcher</b> – National Institute of Fundamental Science (NIFS), Kandy
30 <sup>th</sup> July 2014	<b>Resource Person</b> - Nanotechnology and Its Application and <b>Chief Guest</b> - Science Day 2014 of Nalanda College, China bay, Trincomalee, Organized by the National Science Foundation (NSF).
28.09.2013 –28.09.2015	<b>Member of the Panel of Teachers/ PGIS</b> , M.Sc. Programme in Gemmology University of Peradeniya.
2013/2014	<b>Visiting Lecturer</b> in Faculty of Arts and Culture, South Eastern University of Sri Lanka.
12-13 Dec. 2012	<b>Resource Person – Physical &amp; Students’ Discipline</b> ”, Organized by the Career Guidance Unit, South Eastern University of Sri Lanka.
Oct. 2012 – Feb.2013	<b>Visiting Lecturer</b> in Faculty of Science and Technology of Uva Wellassa University of Sri Lanka.
Oct. 2011 – Feb.2012	<b>Visiting Lecturer</b> in Faculty of Science and Technology of Uva Wellassa University of Sri Lanka.
Oct. 2011 – Feb.2012	<b>Visiting Lecturer</b> - Academic Year 2009/10, Semester II, B.Sc. in Environmental Sciences and Natural Resource Management, Sabaragamuwa University of Sri Lanka.
Nov. – Dec. 2010	<b>Visiting Lecturer</b> in Faculty of Science and Technology of Uva Wellassa University of Sri Lanka.
Oct. – Dec. 2010	<b>Visiting Lecturer</b> - Academic Year 2008/09, Semester II, B.Sc. in Environmental Sciences and Natural Resource Management, Sabaragamuwa University of Sri Lanka.
03 Oct.2005	<b>Resource Person</b> – “Natural Disasters”, for the World Science Day -2005, Satellite Programme in Ampara District, Organized by the National Science Foundation (NSF).
17-18 Dec. 2004	<b>Resource Person</b> – “Electrochemical Devices Based on graphite”, for the short course on Chemical Resources for New Industries, Postgraduate Institute of Science (PGIS), Sri Lanka
14-16 Feb. 2003	<b>Resource Person</b> – “Geology, Occurrence and Industrial Applicators of Vein Graphite”, the short course on Industrial Raw materials in Sri Lanka; Occurrence and Processing, Postgraduate Institute of Science (PGIS), Sri Lanka
01.12.1999 – 01.12.2000	<b>Visiting Demonstrator-M.Sc. in Gemmology</b> : Postgraduate Institute of Science (PGIS), Sri Lanka
01.11.1996 – 01.11.1997	<b>Visiting Demonstrator-M.Sc. in Gemmology</b> : Postgraduate Institute of Science (PGIS), Sri Lanka

### Demonstrable Experience of handling quality Issues, Assessments and Accreditation procedures etc...

October 2018	<b>Resource Person</b> – RIC ( Research Innovation and Commercialization ) Proposal Evaluation, AHEAD, Ministry of Higher Educational and Cultural Affairs
September 2018	<b>Resource Person</b> – ELTA/ELSE Department Proposal Evaluation, AHEAD, Ministry of Higher Educational and Cultural Affairs
June 2018	<b>Reviewer</b> - Program Review 2018, QAAC, UGC from June 2018
July 2017	<b>Reviewer</b> - Program Review 2017, QAAC, UGC from July 2017 to Dec. 2017
July 2016	<b>Member of Research Grant Evaluation Committee</b> for the year 2015, National Science Foundation
Dec. 2015- Jan. 2016	<b>Member of the Evaluation Committee for the Award of P.G. Cooray Medal – 2015</b> , Geological Society of Sri Lanka ( GSSL)
March – May 2015	<b>Reviewer</b> – HETC Project –Component 3, Quality Assurance and Strengthening Alternate Education Sector
Dec. 2013- Jan. 2014	<b>Member of the Evaluation Committee for the Award of P.G. Cooray Medal – 2013</b> , Geological Society of Sri Lanka ( GSSL)

Dec. 2013	<b>Member of Panel of Judges</b> to evaluate the presentation in Mineral Resources & technology, Research Symposium 2013, Uva Wellassa University of Sri Lanka.
Nov. 2013	<b>Member of Research Grant Evaluation Committee</b> for the year 2014, National Science Foundation
Jan. – Feb. 2013	<b>Reviewer- Quality and Innovation Grants (QIGs)</b> , HETC, Review of Proposals in Window 1 and Window 2
Aug. 2012	<b>Member of Research Grant Evaluation Committee</b> for the year 2013, National Science Foundation
Jan. 2012	<b>Member of Research Grant Evaluation Committee</b> for the year 2012, National Science Foundation
Dec. 2009- Jan. 2010	<b>Member of the Evaluation Committee for the Award of P.G. Cooray Medal – 2009</b> , Geological Society of Sri Lanka ( GSSL)
Jan. 2012 – Dec. 2012	<b>Member of the Curriculum Evaluation Committee</b> of the Dept. of Geology, University of Peradeniya, 2012.

### Organizing Workshops and Conferences

**Chairperson/ Advertising Committee - “International Conference on CKDu: Current Aspects and Future Prospects”, 8<sup>th</sup> -9<sup>th</sup> Dec. 2018, University of Peradeniya, Peradeniya, Sri Lanka.**

**Chair the Technical Sessions**, PGIS Annual Research Congress, RESCON 2018, 10.11.2018, PGIS, University of Peradeniya, Sri Lanka.

**Reviewer, PGIS Annual Research Congress, RESCON2018**, on 10.11.2018, University of Peradeniya, Sri Lanka.

**Member/ Food and Entertainment Committee**, PGIS Annual Research Congress, RESCON 2018, 10.11.201, PGIS, University of Peradeniya, Sri Lanka.

**Co-Chair/ Logistic Sub Committee- General Convocation -2017**, 5<sup>th</sup> July 2018, University of Peradeniya, Peradeniya, Sri Lanka.

**Reviewer**, Proceedings of the 34<sup>th</sup> Technical Session of Geological Society of Sri Lanka, 23 Feb. 2018, The Grand Monarch Hotel, Thalawatugoda.

**Chair the Technical Sessions of Material & Mineral Science Track** on Feb 1-2, 2018 at the 2<sup>nd</sup> Int. Research Symposium 2018 of Uva Wellassa University, Sri Lanka.

**Reviewer of Abstracts**, iPURSE 2017, 24<sup>th</sup> November 2017, University of Peradeniya, Sri Lanka.

**Sessions Coordinator and Evaluator of Poster Presentations for iPURSE 2017**, , 24<sup>th</sup> November 2017, University of Peradeniya, Sri Lanka.

**Co-Chair/ Diamond Jubilee Science Week Programme**, 10<sup>th</sup> -12<sup>th</sup> Oct. 2017, Faculty of Science, University of Peradeniya, Peradeniya, Sri Lanka.

**Member of the Organizing Committee** of the Workshop on Nanotechnology in Mineral Industries on 11th September, 2017, PGIS, University of Peradeniya, Sri Lanka.

**Chair the Technical Sessions**, PGIS Annual Research Congress, RESCON 2017, 09.09.2017, PGIS, University of Peradeniya, Sri Lanka.

**Reviewer, PGIS Annual Research Congress, RESCON2017**, on 09.09.2017, University of Peradeniya, Sri Lanka.

**Reviewer**, Proceedings of the 33<sup>rd</sup> Technical Session of Geological Society of Sri Lanka, 24-25 Feb. 2017, Auditorium of the Plant Genetic Resources Centre, Department of Agriculture, Gannoruwa, Peradeniya and Department of Geology, University of Peradeniya, Peradeniya.

**Reviewer**, Proceedings of the 32<sup>nd</sup> Technical Session of Geological Society of Sri Lanka, 26 Feb. 2016, SLF (Sri Lanka Foundation), Colombo-07.

**Chairperson- Technical Session** of the South Eastern University Arts Research Session -2015, 22 Dec. 2015 at the South Eastern Uni. of Sri Lanka, Oluvil, Sri Lanka.

**Reviewer, PGIS Annual Research Congress, 2015**, University of Peradeniya, Sri Lanka.

**Chairperson, Reviewer, Track Coordinator and Member of the organizing committee of the Fifth International Symposium**, 07-08 Dec. 2015, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.

**Reviewer and Chair Person** of the Third Annual Research Session- 2014 , Faculty of Applied Sciences, South Eastern University of Sri Lanka, 12 Nov. 2014.

**Reviewer, PGIS Annual Research Congress, 2014**, University of Peradeniya, Sri Lanka.

**Chairperson, Reviewer, Deputy Coordinator (Event) and Member of the organizing committee of the Fourth International Symposium**, 02-03 August 2014, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.

**Co-ordinator** of the 23<sup>rd</sup> Workshop on “Earth Science for Schools” conducted by the Geological Society of Sri Lanka (GSSL), 03<sup>rd</sup> July 2014, at Education Development Center in Wariyapola

**Reviewer**, Proceedings of the 31<sup>st</sup> Technical Session of Geological Society of Sri Lanka, 28 Feb. 2014, PGIS, University of Peradeniya, Peradeniya.

**Co-ordinator of the Third International Symposium**, 06-07 July 2013, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.

**Chairperson and Reviewer of the Third International Symposium**, 06-07 July 2013, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.

**Chairperson, Reviewer, Chairman of the Reception Committee, Member of the Review panel and Member of the organizing committee of the Second International Symposium**, 25-27 May 2012, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.

**Reviewer** of the First Annual Research Session- 2012 , Faculty of Applied Sciences, South Eastern University of Sri Lanka, 28-29 March 2012.

**Chairperson, Reviewer, Chairman of the Reception Committee, Member of the Review panel, Proceeding and Editing Committee of the organizing committee of the International Symposium on Post War Economic Development**, 19-21 April 2011, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.

**Workshop Co-ordinator of the Workshop on Disaster Management (For Journalists in Ampara District)**, 05 April 2009, Organized by CIDA Restore Project- Faculty of Applied Sciences, South Eastern University of Sri Lanka, Sammanthurai.

**Workshop Co-ordinator of the Workshop on Disaster Management (Frameworks for Disaster Planning and Education for Disaster Preparedness)**, 28-29 Oct. 2008, Organized by CIDA Restore Project- South Eastern University of Sri Lanka, Oluvi, Sri Lanka.

**Member of the organizing committee of the 10<sup>th</sup> Asian Conference of Solid State Ionics (ACSSI-10)**, 12 – 16 June 2006, Postgraduate Institute of Science, University of Peradeniya, Sri Lanka



### Demonstrable Experience of handling consultancy, assessments etc...

March 2008- Dec. 2009	<b>Member of the Environmental Monitoring Committee (EMC)</b> for the Monitoring and Ensuring the Implementation of Environmental Management Plan (EMP) of Re-Awakening Project of Karavahu Drainage Scheme, Kalmunai
01.03.2007- 01.04.2009	<b>Co-ordinator/ Disaster Management</b> of the CIDA Restore Project of the South Eastern University, on Livelihood Developments of Tsunami Affected selected villages in Ampara District.
Dec. 2006- March 2007	Advisor for Tsunami Education Project- Sri Lanka, C/O HELP from Germany.
2005- to date	Involved as a consultant Geologist of <b>Environment Impact Assessment (EIA) studies on Mini Hydropower Projects:</b>
01.04.2006 – 30.12.2007	<b>Consultant for the local technical teams</b> of ARUP Ltd, UK, for drafting a master plan for Tsunami affected South Eastern University
01.04.2006 – 31.07.2006	<b>Consultant (Part time):</b> Rapid Environment Assessment (REA) studies on the Tsunami affected housing schemes in Ampara-Batticaloa Districts, Sri Lanka
01.04.2000 – 30.10.2000	<b>Consultant Geologist:</b> Environment Impact Assessment (EIA) studies on the commercial Port at Oluvil, Sri Lanka
March 2008- Dec. 2009	<b>Member of the Environmental Monitoring Committee (EMC)</b> for the Monitoring and Ensuring the Implementation of Environmental Management Plan (EMP) of Re-Awakening Project of Karavahu Drainage Scheme, Kalmunai
01.03.2007 – 01.04.2009	<b>Co-ordinator/ Disaster Management</b> of the CIDA Restore Project of the South Eastern University, on Livelihood Developments of Tsunami Affected selected villages in Ampara District.
Dec. 2006- March 2007	Advisor for Tsunami Education Project- Sri Lanka, C/O HELP from Germany.
2005- to date	Involved as a consultant Geologist of <b>Environment Impact Assessment (EIA) studies on Mini Hydropower Projects:</b>
01.04.2006 – 30.12.2007	<b>Consultant for the local technical teams</b> of ARUP Ltd, UK, for drafting a master plan for Tsunami affected South Eastern University
01.04.2006 – 31.07.2006	<b>Consultant (Part time):</b> Rapid Environment Assessment (REA) studies on the Tsunami affected housing schemes in Ampara-Batticaloa Districts, Sri Lanka
01.04.2000 – 30.10.2000	<b>Consultant Geologist:</b> Environment Impact Assessment (EIA) studies on the commercial Port at Oluvil, Sri Lanka

### Details of Administrative Experience in the Higher Education

University/Institute	Post	From	To
University of Peradeniya Science Teachers' Association (UP-STA)	Treasurer	01.08.2018	To Date
Board of Study of Earth Sciences, PGIS, University of Peradeniya	Secretary	23.10.2017	To Date
Faculty of Science, University of Peradeniya	Member of the Faculty Quality Assurance Committee	25.11.2017	To Date
Faculty of Science, University of Peradeniya	Academic Advisor- Academic Year 2017/18	13.12.2017	To Date
Buddhist Brotherhood Society, Faculty of Science, University of Peradeniya	Senior Treasurer	Nov. 2017	To Date
University of Peradeniya Science Teachers' Association (UP-STA)	Executive Member	01.03.2017	30.07.2018
Faculty of Science, University of Peradeniya	Deputy Proctor, Faculty of Science	01.03.2017	To Date
South Eastern University of Sri Lanka	Director, Internal Quality Assurance Unit, (IQAU)	01.11.2015	31.12.2016
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Chairman/ Curriculum Development Committee	Oct. 2015	31.01.2016
Faculty of Applied Sciences of South Eastern	Coordinator for Research Promotion	08.07.2014	07.07.2015

University of Sri Lanka	Cell		
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Academic Advisor	01.01.2014	31.12.2014
Dept. of Physical Sciences, Faculty of Applied Sciences, South Eastern University of Sri Lanka	Subject Co-ordinator /Earth Science	01.01.2014	31.01.2016
B.Sc. Degree Programme – Faculty of Applied Sciences, Quality and Innovation Grant ( QIG), HETC Project, South Eastern University of Sri Lanka	Activity Co-ordinator	01.01.2013	31.12.2016
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Proctor	01.01.2013	31.12.2013
South Eastern University of Sri Lanka	Team Leader/ Quality and Innovation Grant ( QIG), HETC Project	01.08.2011	31.12.2013
Faculty of Applied Sciences of South Eastern University of Sri Lanka.	Career Guidance Advisor	01.01.2012	31.12.2012
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Student Counsellor	01.01.2012	1.12.2012
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Member of Proposal Writing Committee for Quality and Innovation Grant ( QIG), HETC Project	10.08.2011	10.08.2012
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Senior Student Counsellor	01.01.2011	1.12.2011
writing the proposal for Strengthening soft skills under the HETC / UDG, SEUSL	Team Member	2010	2011
South Eastern University of Sri Lanka	Member of the Exam Disciplinary Committee	2009	2010
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Secretary/ Curriculum Development Committee	15.07.2009	15.07.2012
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Student Counsellor	01.09.2009	31.12.2010
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Co-ordinator for External Degree	01.03.2009	31.12.2010
South Eastern University of Sri Lanka	Head of the Department of Physical Sciences	18.03. 2008	17.03.2011
South Eastern University of Sri Lanka	Senate Member	18.03. 2008	17.03.2011
South Eastern University of Sri Lanka	Acting Head/ Dept. of Physical Sciences	18.02.2008	17.03.2008
Faculty of Applied Sciences of South Eastern University of Sri Lanka	Subject Co-ordinator /Earth Science	01.05.2005	31.12.2007
South Eastern University of Sri Lanka	Senate Member (Faculty Nominee)	22.03.2007	17.03.2008

### Awards, Medals and Honours

Oct. 2016	<b>Vice Chancellor's Awards -2016 - The Most Outstanding Recipient of External Research Grants</b> , South Eastern University of Sri Lanka
Oct. 2016	<b>Vice Chancellor's Awards -2016 - The Most Outstanding Researcher Faculty of Applied Sciences</b> , South Eastern University of Sri Lanka
Dec. 2013	<b>Innovative Research Grant 2013-</b> University Grant Commission (UGC), Ministry of Higher Education ( 3.7 M. Rs. for Technological Application of Vein Graphite)
2010	<b>Presidential Awards for Research</b> for a Research Article Published in International Scientific Journal, 2006 ( J. Phys.Chem Solids, 67:1213-1217, 2006)
15.10.2005 – 15.12.2005	Post – Doc Research fellowship by CNRS, France



2002

**Young Geoscientist** – *P.G. Cooray medal by the Geological Society of Sri Lanka (GSSL) for the most outstanding contribution for the field of Geo Science in Sri Lanka*

17.10.2001 – 15.12.2003

Postgraduate Research fellowship by CNRS, France

1993, 1994 and 1995

University Colors for Sports, University of Peradeniya

### Membership in professional bodies

Chartered Geologist

Joint Editor of the Geological Society of Sri Lanka (GSSL for the year 2016/2017 and 2017/2018)

Secretary of the Geological Society of Sri Lanka (GSSL for the year 2015/2016)

Member of the Institute of Geology (IGSL): M0044

Treasurer of the Geological Society of Sri Lanka (GSSL for the year 2013/2014 and 2014/2015)

Life Member of the Geological Society of Sri Lanka (GSSL)- LM 060

Member of the Sri Lanka Association for the Advancement of Science (6239D-SLAAS)

Member of the Institute of Chemistry (I. Chem)

Member of the Young Scientists Forum (YSF), NASTEC

### Research Interests

- Mineral Deposits and Technological Applications
- Graphite Intercalation Compounds and Li-ion Batteries
- Nano-Composites

### Research Publications

#### (a) Publications in journals

##### (i) Publications in refereed indexed journals

- H.P.T.Sasanka Hewathilake, N.W.B. Balasooriya, Yoshihiro Nakamura, H.M.T.G.A. Pitawala, H. W. M. A. C. Wijayasinghe, Satish Kumar, **Geochemical, structural and morphological characterization of vein graphite deposits of Sri Lanka: Witness to carbon rich fluid activity**, Journal of Mineralogical and Petrological Sciences, Vol.113, pp. 96–105, 2018, doi:10.2465/jmps.170721
- T. H. N. G. Amaraweera, N. W. B. Balasooriya, H. W. M. A. C. Wijayasinghe, A. N. B. Attanayake, B.-E. Mellander, M. A. K. L. Dissanayake, **Surface modification of natural vein graphite for the anode application in Li-ion rechargeable batteries**, 2018, Ionics, doi.org/10.1007/s11581-018-2523-5
- H. P. T. Sasanka Hewathilake, Niroshan Karunarathne, Athula Wijayasinghe, N.W.B. Balasooriya and A. K. Arof, **Performance of developed natural vein graphite as the anode material of rechargeable lithium ion batteries**, 2017, Ionics, DOI: 10.1007/s11581-016-1953-1
- Balasooriya, N.W.B., **Landslides Risk Investigation in Environmental Impact Assessment**, Landslide Science and Practice, Vol. 6: Risk Assessment , Management and Mitigation (2013), Springer Verlag , Claudio Margottini, Paolo Canuti and Kyoji Sassa(eds), pp 75-81.
- Touzain, P., Balasooriya, N.W.B., Bandaranayake, P.W.S.K., and C. Descolas-Gros, **Vein graphite from Bogala and Kahatagaha- Kolongaha Mines: A Possible Origin** , The Canadian Mineralogist, Vol. 48, (2010), pp. 1373-1384.
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**c). Chapter in books published by recognized scientific, academic or professional bodies...**

- T.H.N.G. Amaraweera, N.W.B. Balasooriya, H.W.M.A.C. Wijayasinghe, A.N.B. Attanayake, M.A.K.L. Dissanayake, **Effect of Purity Enhancement on Surface Modification of Vein Graphite**, Novel Solution Processes for Nano and Biomaterials, Pan Stanford Publishing Pte. Ltd. (*Accepted*).
- Physical, Chemical and Electrochemical characteristics of vein graphite in Sri Lanka: Application to Alkaline and Lithium Batteries, Thèse de doctorat: Grenoble, INPG, 2004, OCLC Number: 492405656
- N.W.B. Balasooriya and M.F.M. Rislán, **"Tsunami: What is it? And what to do?"**, Published by CIDA Restore Project, South Eastern University of Sri Lanka, ISBN: 978-955-8027-13-4.
- N.W.B. Balasooriya, A.M. Riyas Ahamed and M.I.A. Murath, **"Disaster Management"**, Published by CIDA Restore Project, South Eastern University of Sri Lanka, ISBN: 978-955-8027-22-6.

**d). Member of the Editorial Board of the books and journals published by recognized scientific, academic or professional bodies...**

- **Co-Editor**- J. Geo. Soc. Of Sri Lanka, Vol. 19 (Issue 1), 2018
- **Co-Editor**- Proceedings of the 34th Technical Session of Geological Society of Sri Lanka, 23 Feb. 2018, The Grand Monarch Hotel, Thalawatugoda.
- **Co-Editor**- Proceedings of the 33rd Technical Session of Geological Society of Sri Lanka, 24-25 Feb. 2017, Auditorium of the Plant Genetic Resources Centre, Department of Agriculture, Gannoruwa, Peradeniya and Department of Geology, University of Peradeniya, Peradeniya.
- **Co-Editor**- J. Geo. Soc. Of Sri Lanka, Vol. 18 (Issue 2), 2017
- **Co-Editor**- J. Geo. Soc. Of Sri Lanka, Vol. 18 (Issue 1), 2017
- **Member of the Editorial Board**- J. Geo. Soc. Of Sri Lanka, Vol. 17, 2015
- **Co-Editor** of the Proceedings of the Fifth International Symposium-2015, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.
- **Member of the Editorial Board**- J. Geo. Soc. Of Sri Lanka, Vol. 16, 2014
- **Co-Editor**, SEUSL Update, South Eastern University of Sri Lanka.
- **Co-Editor** of the Proceedings of the Second International Symposium-2012, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.
- **Editor** of the Proceedings of the Third International Symposium-2013, 06-07 July 2013, South Eastern University of Sri Lanka, Oluvil, Sri Lanka.

**e). Local Patent (Awarded)**

- ✓ H.W.M.A.C. Wijayasinghe, **N.W.B. Balasooriya**, T.H.N.G. Amaraweera, Method for preparing surface modified vein graphite through chemical oxidation, Sri Lanka Patent Application No. LK/P/1/18728 (17<sup>th</sup> Sept. 2018).

- ✓ H.W.M.A.C. Wijayasinghe, **N.W.B. Balasooriya**, T.H.N.G.Amaraweera , Method of purification vein graphite by acid leaching to ultra-high purity, Sri Lanka Patent Application No. LK/P/1/18729 (17<sup>th</sup> Sept. 2018).
- ✓ H.W.M.A.C. Wijayasinghe, **N.W.B. Balasooriya**, T.H.N.G.Amaraweera , Method of manufacturing Lithium Carbonate coated vein graphite anode for Lithium-ion Battery, Sri Lanka Patent Application No. LK/P/1/18730 (17<sup>th</sup> Sept. 2018).

### Research Funding

<i>Period</i>	<i>Funding Agency and amount (Rs.)</i>	<i>Position</i>	<i>Title of research project/ programme</i>
2018-2020	AHEAD/ICE Grant, Faculty of Science University of Peradeniya	Team Leader (Activity 4)	Extraction of Trace and Rare Earth Elements (REEs) from Eppawala Carbonatites, Sri Lanka for advanced technological applications
2018-2022	Cabinet paper No. 17/1907/16/038 on 2017-08-09 of the Government of Sri Lanka, 50 M. (under the Nanotechnology and Advanced Materials Project of NIFS)	Research Collaborator	Development of Sri Lankan graphite for rechargeable batteries
2015 – 2017	NRC (National Research Council), 2.4 M	Co – Investigator	Development of Sri Lankan graphite for Li Ion Batteries
2014-2016	University Grant Commission (UGC), Ministry of Higher Education, 3.7 M	Principal Investigator	Technological Application of Vein Graphite

### External Travel Grant Received:

- 1). Travel Grant from the National Science Foundation of Sri Lanka and participating for the 3<sup>rd</sup> International Conference on Ionic Devices (ICID-2006), Anna University , Chennai, India, 6-9 Dec.2006.
- 2). Travel Grant from the National Science Foundation of Sri Lanka and participating for the The Second World Landslide Forum: 3-7 October 2011, Rome, Italy.

### Supervision of Research Projects

- M.Phil. Research Project, 2018-2020- Ms. G.T.D. Chandrakumara (PGIS/ES/M.Phil./18/708), Board of Earth Science, Postgraduate Institute of Science, Peradeniya
- M.Phil. Research Project, 2018-2020- Ms. H.M.H.D.K. Naranpanawa (PGIS/ES/M.Phil./18/707), Board of Earth Science, Postgraduate Institute of Science, Peradeniya
- M.Phil. Research Project, 2017-2019- Ms. J.N. Kanagaratnam, Board of Earth Science, Postgraduate Institute of Science, Peradeniya
- M.Phil. Research Project, 2015-2017- Ms. Thilani Senevirathne, Board of Earth Science, Postgraduate Institute of Science, Peradeniya
- M.Phil. Research Project, 2014-2016- Mr. H.P.T.S Hewathilake, Board of Earth Science, Postgraduate Institute of Science, Peradeniya
- M.Sc. Research Project, 2012-2013- Ms. M.F.K.F.F Banu (PGIS/ES/M.Sc/DSM/10/04), Board of Earth Science, Postgraduate Institute of Science, Peradeniya
- M.Sc. Research Project, 2009-2010- Mr. Y.B.M. Asmi (PGIS/ES/M.Sc/DSM/07/02), Board of Earth Science, Postgraduate Institute of Science, Peradeniya
- M.Sc. Research Project, 2006-2007- Mr. S. Ahilan, Board of Physics, Postgraduate Institute of Science.

### Evaluation of Postgraduate Thesis / Prizes / Medals

- Ph.D. Thesis 2016- Mr. V.S.T. Gopinath, Department of Geology, Presidency College ( Autonomous), Chennai 600005, India.
- Ph.D. Thesis 2016- Mr. N. Ramesh Kumar, Department of Geology, Presidency College ( Autonomous), Chennai 600005, India.
- M.Phil. Thesis 2016- Mr. G.D. Nanayakkara (09/8099), Dept. of Earth Resource Engineering, University of Moratuwa
- Ph.D. Thesis 2015- Mrs. T.B.N.S. Madugalla, Board Study of Earth Sciences, Postgraduate Institute of Science, Peradeniya
- Ph.D. Thesis 2014- Ms. Y. Divya, Anna University, Center For Research, Chennai-600025, India.
- Ph.D. Thesis 2014- Mr. M.M.M.G.P.G. Manthilake, Board Study of Chemical Sciences, Postgraduate Institute of Science, Peradeniya
- M.Phil. Thesis 2010- Mr. P.B. Samarasinghe, Board of Physics, Postgraduate Institute of Science, Peradeniya

### Experience at the National and International level in handling development work

Contribution to the National Development	
July 2016 – To date	<b>Member of the Board of Directors</b> of the Kahatagaha Graphite Lanka Ltd., Ministry of Industry and Commerce
Dec. 2015-To date	Member of the Presidential Task Force on Environment Conservation
July 2015	Member of the Development of national Roadmap for Energy Conversion and Storage
May 2011- July 2011	Member of the Academic Monitoring Committee of the Leadership and Personality Development Program (Future Leaders)- 2011, held in Combat Training School (CTS), Ampara
Oct. 2012	Member of the Nanotechnology Awareness Programme for Master Trainers

### Referees

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I here by certify that the details furnished above are true and correct.

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