

JOURNAL OF THE GEOLOGICAL SOCIETY OF SRI LANKA

Editors

Nalin Ratnayake
C.H.E.R. Siriwardana

EDITORIAL BOARD

Prof. Kapila Dahanayake
Mr. Dulip Jayawardana
Mr. L.R.K. Perera
Prof. H.M.T.G.A. Pitawala
Prof. G.W.A. Rohan Fernando
Mr. R.M.S. Bandara
Dr. N.W.B. Balasooriya
Dr. S.P.K. Malaviarachchi
Dr. Upul Premaratne
Dr. Amila Ratnayake

Mr. Nimal Ranasinghe
Prof. P. Wickramagamage
Prof. Rohana Chandrajith
Prof. H.A.H. Jayasena
Prof. N.D. Subasinghe
Dr. Tilak Hewawasam
Dr. A.N.B. Attanayake
Dr. Prashan Francis
Dr. Lalindra Ranaweera

GEOLOGICAL SOCIETY OF SRI LANKA (GSSL)

32ND EXECUTIVE COMMITTEE (2015)

President

Vice President

President-Elect

Secretary

Treasurer

Past President

Joint Editors

Prof. G.W.A. Rohan Fernando

Mr. R.M.S. Mangala Rajapakse

Dr. Tilak Hewawasam

Dr. N.W.B. Balasooriya

Mr. Chaminda Kularatna

Prof. H.M.T.G.A. Pitawala

Prof. Nalin Ratnayake and Dr. C.H.E.R. Siriwardana

Committee Members

Prof. N.D. Subasinghe

Mr. S.W.M. Seneviratne

Mr. Lakshitha Karunaratne

Mr. B.M.R.K. Balasooriya

Mr. Shanika Nawaratne

THE GEOLOGICAL SOCIETY OF SRI LANKA

The Geological Society of Sri Lanka (GSSL) was founded in 1983 "to promote and disseminate all aspects of geological knowledge within Sri Lanka both on land as well as the surrounding ocean coming under the jurisdiction of Sri Lanka averred by the "United Nations Convention on the Law of the Sea". The Society's objectives are fulfilled through various activities and programs like lectures, discussions, workshops, seminars, field investigations, symposia and publications. In addition to the Journal of the GSSL published annually, the Society also publishes a quarterly Newsletter and occasional special publications. Information is also disseminated through its website; www.gsslweb.org. The Annual Sessions of the Society are held at the end of February each year, and is the forum for presentation and discussion of current research accomplishments.

The Society consists of Honorary Life Members, Life Members, Institutional Members, Ordinary Members, Foreign Members, Associate Members and Student Members. Qualified geologists are eligible for membership, and details about membership

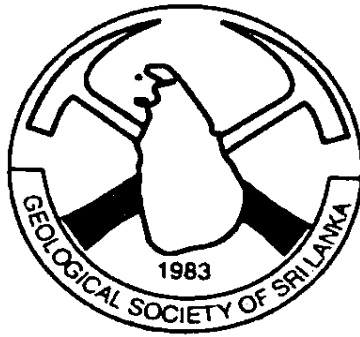
categories and fees applicable, and the procedure for application for membership are available through the GSSL website, Newsletters or by writing directly to the Secretary, GSSL, at the Peradeniya office or Colombo office (see website). The GSSL publishes a single issue of the Journal of the Geological Society of Sri Lanka annually. It is now published as open access journal. Original and review articles pertaining to any aspect of geology are welcome, and a guide to authors on preparation of manuscript and submission of electronic and hard copies to the Journal is given at the back pages of this issue. All correspondence pertaining to material submitted for publication should be directed to the Editors of the GSSL at—Peradeniya or Colombo offices. The Journal is issued free of charge to the eligible members. It will be dispatched to all overseas subscribers (see website for fees) by surface mail. All correspondence including orders and remittance for subscriptions, back issues, off-prints and advertisements should be directed to the Treasurer of the GSSL.

ISSN: 1391-3786

© Geological Society of Sri Lanka 2015

<http://www.gsslweb.org>

**JOURNAL OF THE
GEOLOGICAL SOCIETY OF
SRI LANKA**



J.W. Herath Felicitation Volume

Editors

Nalin Ratnayake
C.H.E.R. Siriwardana

J. 2015

©Geological Society of Sri Lanka

Journal of the Geological Society of Sri Lanka

Volume 17 - 2015

J.W. Herath Felicitation Volume

The Geological Society of Sri Lanka is not responsible for statements and opinions expressed by contributors of this Journal

ISSN 1391-3786

Published by:

The Geological Society of Sri Lanka (GSSL)

Department of Geology

University of Peradeniya

Peradeniya, Sri Lanka

Printed by:

Sanduni Offset Printers (Pvt.) Ltd

4/1, Sarasavi Uyana Good Shed Road

Sarasavi Uyana

Peradeniya, Sri Lanka

Tel./Fax. 081-238 7777

APPRECIATION

Dr. J.W. Herath is an eminent geologist, a founder member and a former president of the Geological Society of Sri Lanka and a recipient of the prestigious Ananda Coomaraswamy Medal. His work on the mineral resources of Sri Lanka, particularly on clay minerals, has helped uplift Sri Lankan mineral industry. Therefore, in appreciation of Dr. Herath's remarkable contribution to the geological community and the mineral sector of Sri Lanka, this 17th volume of the Journal of Geological Society of Sri Lanka is dedicated to felicitate Dr. J.W. Herath.

Let his outstanding career be a guiding light to every aspiring geologist!

**Prof. Nalin Ratnayake/Dr. C.H.E.R. Siriwardana
GSSL Joint Editors**

THE GEOSCIENTIST PAR EXCELLENCE

Dr. J.W. Herath

Meewakkala Mudiyansele Jinadasa Willehad (Willie) Herath, was born on November 8th 1927 at Uda Hewaheta in the Nuwara Eliya District. He had his early education at St. Anthony's College, Kandy and then proceeded to the University of Banaras in North India where he gained a B.Sc. Degree with Chemistry, Geography and Geology in 1952. He then went to the University of Adelaide, South Australia, where he obtained B.Sc. Hons. Degree in Geology in 1955, with a Second Class Upper Division. He also worked on the Ceramic raw materials of Sri Lanka at the Building Research Division of the CSIRO Melbourne and obtained the MSc. for that work.

Mr. Herath joined the Geological Survey Department (then the Department of Mineralogy) in 1956, and worked as a Geologist in areas of Regional Mapping (mapped 3000 sq. miles of Precambrian Terrain), mineral prospecting and exploration, water supply investigations and engineering geology. He was appointed as Head of the Ceramic Testing Laboratory of the Survey which at that time serviced the entire ceramic industry of the island. He then completed studies leading to the Ph.D. in Applied Science (Silicate Technology) at the Leeds University (UK) on a Colombo Plan Scholarship and in 1975 he was appointed the Director of the Geological Survey Department.

During the period 1971-1976 he was closely associated with the setting up of the following ceramic factories operated by the Ceylon Ceramic Corporation, Lanka Ceramic Ltd., Hungama Lime Plant, Meetiyaoda Kaolin Refinery, Boralesgamuwa Kaolin Refinery, Ball Clay Plant at Dediya-wela, Quartz, Feldspar-Dolomite Mines, Lanka Porcelain Ltd., Lanka Walltiles PLC., Lanka Refractories Ltd. and eight State-of-the-art Brick and Tile Factories at Bangadeniya, Bingiriya, Elayapaththuwa, Eragama, Mahiyangana, Uswewa, Weuda and Yatiyana. During his tenure as Director, he launched the Accelerated Mapping Programme enabling the long awaited completion of geological mapping of the entire country at 1 inch to 1 mile (1:63,360) scale for the first time.

In the latter part of 1976 Dr. Herath was selected to function as Director and Commonwealth Geological Liaison Officer of the Commonwealth Secretariat in London where he headed the Commonwealth Committee on Mineral Resources and Geology to promote collaboration and interchange of information on mineral resources gaining first-hand information on the work programmes of 30 Commonwealth countries. In 1978 he returned to Sri Lanka and joined

the Ministry of Industries and Scientific Affairs as Director Scientific Affairs and was responsible for the work of six scientific organizations, namely, Geological Survey Department (GSD), Ceylon Ceramics Corporation (CCC), Sri Lanka Cement Corporation (SLCC), Atomic Energy Authority (AEA), National Aquatic Resources, Research and Development Agency (NARA), and Lanka Phosphate Limited (LPL).

In recognition of his unparalleled expertise also as a Ceramist, Dr. Herath was appointed as Director of Ceramic Research and Development Centre (CRDC) at Piliyandala by the UNIDO for the period 1986 to 1989.

He was appointed as Coordinator of the Oceanographic Unit at the National Aquatic Resources Agency (NARA) from 1982 – 1985. On completion of the assignment, he reverted back to his field of specialization that involved in the surveys of ceramic raw materials and the testing of non - metallic minerals for the mineral - based industries of Sri Lanka.

From 1990 to 1991 he served as consultant to the Ceramic Research and Development Centre (CRDC) and as National Consultant to the Mineral Sector of the Ministry of Industries, Science & Technology and thereafter as Technical Director of the Ministry of Minerals & Mineral Based Industries until end 1994.

In addition to these important posts, he served at various times as Director of the Ceylon Ceramics Corporation, the State Mining and Mineral Development Corporation, Lanka Wall Tiles Ltd, the Oils and Fats Corporation, as Technical Adviser at Lanka Porcelain Ltd., as a Board Member of the Natural Resources, Energy and Science Authority (NARESA) – now the National Science Foundation (NSF) – and National Aquatic Resources, Research and Development Agency (NARA).

He has also been a visiting Lecturer at the Department of Geology, Peradeniya University, at the Minerals Engineering Dept. University of Moratuwa, Katubedda and at the Chemistry Department, Sri Jayewardenepura University.

Dr. Herath has an impressive list of publications, that include 39 research papers published in national and international journals and 17 books, among which the following have become standard reference works among Sri Lankan Geologists. These are; "The Industrial Clays of Sri Lanka-(1973)", "The Mineral Resources of Sri Lanka" (1980), "Economic Bulletins"

Nos. 1 and 2 published by the Geological Survey Department and "Economic Geology of Sri Lanka" published by NARESA (now NSF).

A striking feature of his professional career is its wide scope ranging from geological mapping through mineral exploration to the highest echelons of administration and consultancy.

Dr. Herath is a Life Member and the third (1985) President of the Geological Society of Sri Lanka. His impressive singular contribution made to the evaluation, research and development of the industrial minerals of Sri Lanka, most notably in the field of ceramic minerals will no doubt remain

unrivaled as is proven by the standing and reputation earned by Sri Lanka's ceramics industry being one of the best in the world. That he has done so much and achieved so much with such modesty with absence of pride is indeed an example to us all of what a true and sincere scientist should be.

In recognition of his above mentioned hitherto unrivaled accomplishments and the vital contribution to advancement of Sri Lanka's geological knowledge by way of completing geological mapping of the entire country at 1:63,360 scale as well as his eminent standing, Dr. Herath was awarded the prestigious Ananda Coomaraswamy Medal in 1993.

Nimal Ranasinghe



Dr. J.W. Herath

CURRICULUM VITAE OF Dr. M.M.J.W. HERATH

B.Sc. (BHU), B.Sc. (Adelaide), PhD (Leeds)

A.I.Ceram, M.I.M.M., C.ENG (UK)

CONSULTING GEOLOGIST

CERAMIST (MINERAL BASED INDUSTRIAL SECTOR)

1. EMPLOYMENT/APPOINTMENT/INVITATION RECORD

1956 – 1975	Geologist - Geological Survey Department
1975 – 1976	Director - Geological Survey Department
1976 – 1978	Director and Commonwealth Geological Liaison Officer-Commonwealth Secretariat - London
1979 – 1982	Director - Scientific Affairs, Ministry of Industries and Scientific Affairs
1982 – 1985	Director- Oceanography and Marine Geology, National Aquatic Resources Agency, Ministry of Fisheries
1986 – 1990	UNIDO National Project Director- Ceramic Research and Development Centre (CRDC), Lanka Ceramics Ltd
1991 – 1993	Technical Director - Ministry of Minerals and Mineral Based Industries
1994 – 1997	Technical Director and Consultant - Ministry of Industrial Development

2. INDUSTRIAL AND RESEARCH EXPERIENCE

CSIRO, Melbourne - Industrial Research Division (6 months)

Broken Hill Mines - Australia - Underground Mining (4 months)

English China Clays - Austrell, Cornwall, UK (3 months)

CRDC, Lanka Ceramics Ltd - National Project Director, (4 years)

3. DIRECTOR GOVERNING BOARDS

1970-1976	Ceylon Ceramics Corporation
1975-1976	Lanka Wall Tiles Ltd
1970-1976	National Small Industries Corporation
1982-1985	National Aquatic Resources Agency
1982-1985	Sri Lanka Graphite Corporation
1982-1985	Natural Resources, Energy and Science Authority
1975-1976	Lanka Porcelain Ltd
1995-1997	Lanka Mineral Sands Ltd

4. SPECIAL ASSIGNMENTS

1986-1990	Coordinator - UNIDO - CRDC Project Formulation - Ministry of Industries
1991-1994	Coordinator- Research and Development - Ministry of Industries

1999-2001 Coordinator - Environmental Impact Assessment Studies, Environmental Management Lanka Ltd

5. AWARDS

1993 Ananda Coomaraswamy Medal for contribution to the Mineral Sector
1993 National Award for Scientific Achievement
2004 Antonian College Award for Excellence in Science and Technology

6. PUBLICATIONS

17 books covering the entire Mineral Sector of Sri Lanka (Resources, Potentialities and Current Issues) and 40 Scientific Papers published in nine countries (Sri Lanka, India, Thailand, Australia, Japan, China, UK, USA and Germany).

1. Herath, J.W. and Sirimanne, C.H.L. (1961) Some Ceramic Properties of the Boraesgamuwa Kaolin Deposit of Ceylon, *Indian Ceramics*, Vol. 8, No. 8, pp 177 - 180.
2. Herath, J.W. (1962) The Mineralogical Composition of Some Dry Zone Soils of Ceylon, *Tropical Agriculturist*, Vol. 8, No. 8, pp. 177 – 180.
3. Herath, J.W. (1963) Atterberg Limits of Some Ceylon Soils, *Indian Journal of Technology*, Council of Scientific and Industrial Research, Vol. 1, No. 12, pp 472- 473.
4. Herath, J.W. (1963) Industrial Potentialities of Ceylon Clays, *Industrial Ceylon*, Vol. 3, No.2, pp 257-260.
5. Herath, J.W. (1963) Kaolin in Ceylon, *Economic Geology*, Vol. 58, pp 769-773.
6. Herath, J.W. (1963) The Mineralogical composition of some Laterites and Lateritic Soils of Ceylon, *Indian Mineralogist*, Vol. 4, pp 36 - 42.
7. Herath, J.W. (1963) Some Ceramic properties of the Mettiyagoda Kaolin Deposit of Ceylon, *Indian Ceramics*, Vol. 10, No. 4. pp 149 - 155.
8. Herath, J.W. (1963 – 1964) Industrial Clays of Ceylon, *Industrial Ceylon*, Vol. 3, No. 4, pp 381 - 388, Contd. Vol. 4, No. 1 pp 51 - 59.
9. Herath, J.W. (1964) The Ceramic Properties of a Ceylon Ball clay *Indian Ceramics*, Vol. 11, No. 3, pp 436 - 446.
10. Herath, J.W. (1968) The Ceramic Industry in Ceylon, *J. Brit. Ceram. Soc.*, Vol. 5, No. 4, pp. 436 - 446.
11. Herath, J.W. (1969) Refractory Raw Materials of Ceylon, and Appraisal for Ceramic Industries, *Indian Ceramics*, Vol. 14. No. 8, pp 186 - 194.
12. Herath, J.W. (1970) the Ceramic Raw Materials of Ceylon, PhD Thesis, (Applied Science), University of Leeds, England.
13. Herath, J.W. (1971) A General Evaluation of the Frequency Distribution of Clay and Associated Minerals in the Alluvial Soils of Ceylon, *Geoderma*, Vol. 5, pp 110 - 113.
14. Herath, J.W. (1972) Light Weight Aggregate from Ceylon for use in Structural Concretes, *Spolia Zeylancia*, Vol. 32 pp 129 - 135.
15. Herath, J.W. (1972) Industrial Clays of Sri Lanka, Presidential Address (Natural Science)
16. Proc. Cey. Assoc, Adv. Sci., 28th Annual Session, Part II, pp 106 - 121.

16. Herath, J.W. (1973) Industrial Clays of Sri Lanka: Geology, Mineralogy and Appraisal for Ceramics and Other Industries, Economic Bulletin No. 1, Geological Survey, Sri Lanka, pp 1 - 113.
17. Herath, J.W. (1973) The Ceramic Scene in Ceylon, Interceram, (International Ceramic Review) Vol. 22, pp 103 –105.
18. Herath, J.W. (1975) Mineral Resources of Sri Lanka, Eco. Bull., No. 2, Geological Survey, Sri Lanka, pp 1 - 75.
19. Herath, J.W. (1977) Fourth International Gondwana Symposium, CGLO LR. 131, Commonwealth Secretariat, London.
20. Herath, J.W. (1977) Study Group on Landsat Imagery (Botswana) CGLO LR 132, Commonwealth Secretariat, London.
21. Herath, J.W. (1978) Seminar of Heads of Geological Surveys of Commonwealth Countries in the Asian Region, Special LR I, Commonwealth Secretariat, London.
22. Herath, J.W. (1978) Seminar - Geological Services in the Commonwealth Caribbean, CGLO Special LR2, Commonwealth Secretariat, London.
23. Herath, J.W. (1978) Mineral Resources and Industries of Sri Lanka A Review, Proceedings, GEOSEA. III, Bangkok, November 1978.
24. Herath, J.W. (1980) Mineral Resources of Sri Lanka 2nd Revised Edition Economic Bulletin No. 2, Geological Survey Department Sri Lanka (Sinhalese edition available).
25. Herath, J.W. (1983) Genesis and Constitution of Sri Lanka Laterites, Pathirana, H.D.N.C. J. National Science Council, Sri Lanka. Vol. 11(2): 307 - 232 - NARESA.
26. Herath, J.W. (1983) The Kelaniya - Negombo Coastal Zone and items Geological Resource Potential, J. National Science Council, Sri Lanka, Vol. 11 (2) : 307 – 232 NARESA.
27. Herath, J.W. (1984) The Geology and Occurrence of Gems in Sri Lanka 19th International Genealogical Conference –Sri Lanka (Abstracts) Gull Text - J. National Science Council, Sri Lanka, Vol. 12(2) : 257 - 171 – NARESA.
28. Herath, J.W. (1985) The Energy Situation in Sri Lanka and Supply Options for the Future. (Science Education Services) (No. 13) NARESA.
29. Herath, J.W. (1985) The Economic Geology of Sri Lanka – Natural Resources Series - No. NARESA Publication.
30. Herath, J.W. (1986) Mineral Based Industries of Sri Lanka Science Education Series (No. 15) NARESA. Publication.
31. Herath, J.W. (1988) Non - Metallics and Sri Lanka Ceramic Industry Paper presented to AUSTCERAM – International Ceramic Conference - Australia. Abs - J. Aust. Ceram. Soc. Vol. 23 No. 2. Full Text – Proceeding Austceram 88 – Materials Science Forum Vol. 34 - 36 (1988) Part 2 pp 953 - 956.
32. Herath, J.W. (1988) Ceramics in Sri Lanka, Bulletin CRDC Vol. I, No. I : 1 - 24 and 1 – 27.
33. Herath, J.W. (1989) Constitution of Sri Lanka Clays and Their Behaviour Under Industrial-Conditions. 2nd World Congress on Non - Metallic Minerals Beijing, Vol. I International Academic Pub. pp 71 - 75.
34. Herath, J.W. (1989) Our Progress: An Overview Five Year Project Performance Bulletin CRDC, Vol. 2, No. I, pp 1 – 139.

35. Herath, J.W. (1990) Sri Lanka Minerals and Opportunities Technical Information Series 3 - CRDC: 1-10.
36. Herath, J.W. (1990) Specification for Plaster of Paris, Technical Information Series I - CRDC PP 1 - 27 (Compiled and Edited).
37. Herath, J.W. (1990) Defects in Ceramic ware and Their Prevention Technical Information Series 2 CRDC PP 1 - 25, Sinhala Publication (English Version - Compiled and Edited).
38. Herath, J.W. (1990) Economic Geology - Sri Lanka Minerals, A Descriptive Catalogue - CRDC TIS. No. 4 pp 1 - 98.
39. Herath, J.W. (1990) Sri Lanka Minerals and National Development, Industrial Minerals (UK). March 1990, Vol. 270 - pp 133 - 135.
40. Herath, J.W. (1991) Sri Lanka Mineral Resources Current Opportunities and Future Trends, Interceram, Vol 40, No. 1 pp 7- 9.
41. Herath, J.W. (1991) Future of the Coral and Shell Lime Industry of Sri Lanka, Technical Information Series No. 5 CRDC, Lanka Ceramic Limited pp 43.
42. Herath, J.W. (1991) Lime Industry of Sri Lanka. Paper presented at the 1st International Seminar on Lime and proceedings LIME, Intermediate technology Publications 1992.
43. Herath, J.W. (1993) Ninety Years of Geological Survey work in Sri Lanka - Ananda Coomaraswamy Oration (1993) to the Geological Society of Sri Lanka processing (GSSL).
44. Herath, J.W. (1994) Sri Lanka Minerals and Investment Opportunities – A Ministry of Minerals and Mineral Base Industries - Publication.
45. Herath, J.W. (1995) Economic Geology of Sri Lanka 5th Edition. Ministry of Industrial Development, pp 1 - 280. 6th Revised Edition GSMB – 2008.
46. Herath, J.W. (1996) Sri Lanka Beach Mineral Sands, Ministry of Industrial Development Publication, pp 1 - 88. 2nd Edition GSMB – 2008.
47. Herath, J.W. (1996) Graphite in Sri Lanka, Ministry of Industrial Development Publication, pp 1 - 100. 2nd Edition GSMB - 2008
48. Herath, J.W. (1997) Energy Resources of Sri Lanka and Supply Options for the Future, MID Publication, 2nd Edition, pp 1 - 113.
49. Herath, J.W. (1998) Ceramics in Sri Lanka, MID Publication pp .1 - 167.
50. Herath, J.W. (1999) Eppawala Apatite Deposit, A Geological Curiosity? Business Today, July 1999.
51. Herath, J.W. (2000) Industrial research and Industrial Development, Business Today, January 2000.
52. Herath, J.W. (2000) The Eppawala Apatite Deposit Unique and Troublesome Resources, Sunday Observer, 28th May 2000
53. Herath, J.W. (2002) Science Policy for Development, Daily News, Saturday 15th June 2002.
54. Herath, J.W. (2003) The Sri Lankan Mineral Sector, Daily News; Tuesday 9th December 2003.
55. Herath, J.W. (2004) Industrial Progress in the Mineral Sector of Sri Lanka, Geological Activities in Sri Lanka, Centenary Monograph (1903-2003 — GSMB).
56. Herath, J.W. (2004) Mineral Based Industrial Development, Daily Mirror, Wednesday 28th April 2004.

57. Herath, J.W. (2005) Privatization Necessary if Country is to Develop, Daily Mirror, Monday 13th June 2005.
 58. Herath, J.W. (2005) Ceramics in Sri Lanka, 4th edition, GSMB — 2005.
 59. Herath, J.W. (2005) Sri Lanka Minerals and Industries, Centenary Publication, 1903-2003, GSMB.
 60. Herath, J.W. (2005) Some Thoughts on the Eppawala Phosphate Rock, Daily Mirror, 20th June 2005.
 61. Herath, J.W. (2006) Industrial Research and Industrial Development Daily News, 29th May 2006.
 62. Herath, J.W. (2006) Science must be judged by Its Science Economics Benefits Daily Mirror, 18th May 2006.
 63. Herath, J.W. (2006) Privatization Necessary if Our Country is to Develop The Island, 14th June 2006.
 64. Herath, J.W. (2006) Eppawala Apatite Deposit Daily Minor, 13th November 2006.
 65. Herath, J.W. (2006) Industrializing Hambantota District Daily Mirror, 8th November 2006.
 66. Herath, J.W. (2006) Mineral Based Industrial Development -Financial Times Sunday, April 9, 2006.
 67. Herath, J.W. (2007) Privatization in Sri Lanka -1s` Edition-Stamford Lake Pub. 2007 (JE Pub).
 68. Herath, J.W. (2008) Judicious Use of Mineral Sector in Development - The Island Features -22nd August 2008.
 69. Herath, J.W. (2008) Graphite in Sri Lanka 2nd Edition, GSMB, 2008.
 70. Herath, J.W. (2008) Sand Dunes in Southern Sri Lanka. 1st Edition - GSMB -Technical Services Pvt. Ltd. 2008.
 71. Herath, J.W. (2008) Beach Mineral Sands in Sri Lanka. 2nd Edition- GSMB -2008.
 72. Herath, J.W. (2008) Economic Geology- Sri Lanka 6th Edition GSMB- 2008
 73. Herath, J.W. (2009) Siliceous Minerals and Raw Materials in Sri Lanka 1st Edition –GSMB-2009.
 74. Herath, J.W. (2009) Calcareous Materials in Sri Lanka 1st Edition - GSMB -2009
 75. Herath, J.W. (2009) Science, Technology and Development 1st Edition - Godage Book Emporium – 2009.
 76. Herath, J.W. (2010) Geology and Mineral Resources of Sri Lanka - An Introduction Edition -GSMB -2010.
-