

• CURRICULUM VITAE

1. Name, Qualifications And Other Details

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| Family Name | Ragoonaden |
| Other name | Sachooda |
| Nationality | Mauritian |
| Date of Birth | 14 November 1941 |
| Marital Status | Married |
| Address – Residence | 30, Antelme Avenue, Quatre-Bornes |
| Tel. No. | 230-4650116 |
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| E-mail Address | rajouma@yahoo.com |
| Academic Qualifications | BSc (Comb. Hons.) – Meteorology and Physics, University of Reading (UK) , 1972. MSc (Oceanography), University of Southampton (UK), 1982. |
| Professional Qualifications | Initial Forecasters Course, British Meteorological Office (UK), 1968 Sea Level Analysis and Monitoring (UK), 1983 Wave Analysis and Forecasting (USA} , 1995. |
| Scholarships/ Fellowships | British Council (6 months), 1968 UK Commonwealth Scholarship (3 years), 1969-1972 World Meteorological Organization Fellowship, 1981-82 UNESCO Fellowship (3 months), 1986 (attachment at the National Institute of Oceanography, Goa, India) |
| 2. Employment | |
| Nov 2001-..... | Consultant on several occasions for the World Meteorological Organization, United Nations Environmental Programme, Commonwealth Secretariat and Indian Ocean Commission |
| Nov 2000 – 14 Nov. 2001 | Deputy Director, Meteorological Services Acting Director on several occasions |
| June 1991 – Oct. 2000 | Divisional Meteorologist In charge of management and administration of Marine, Hydrometeorology, Climatology and Agrometeorology Divisions of the Meteorological Services |
| June 1990 – June 1991 | World Meteorological Organization (WMO) Expert in the Islamic Republic of IRAN to implement a US\$ 350,000 project on the development and strengthening of the Marine Meteorological Services at the Islamic Republic of Iran Meteorological Office (IRIMO). |

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| 1988 – May 1990 | Acting Divisional Meteorologist. |
| 1981 – 1988 | Meteorologist – Weather and Sea Forecast for Local and International purposes. |
| 1981- 1982 | MSc Course (Oceanography) – University of Southampton, UK |
| 1972 – 1981 | Meteorologist. |
| 1969 – 1972 | BSc Course (Physics and Meteorology), University of Reading, UK. |
| 1968 – 1969 | Meteorological Officer (Acting). |
| March 1963 – 1968 | Meteorological Observer performing meteorological observations and plotting. |
| Jan 1962 – 1963 | Secondary Teacher at New Eton College. |

3. Publications

- Ocean Thermal Energy Conversion as a source of energy, proceedings of the National Energy Conference, University of Mauritius, December 1981.
- Physico-Chemical Characteristics and Circulation of waters in the Mauritius-Seychelles Ridge Zone, South-West Indian Ocean, Indian Journal of Marine Sciences, Vol 16 Sep, 1987, pp 184-191.
- Sea-Level Monitoring in the South-West Indian Ocean, WMO bulletin, July 1987, Vol.36, pp 190-193.
- Impact of sea level rise on Mauritius, Journal of Coastal Research, Special issue No.24, 1997. Island States at risk: Global climate change, Development and population, pp 230-221, edited by Stephen Leathermen, Florida International University, 1997.
- Climate Change Scenario for the Mauritius region, National Climate Committee, Report No.5, May 1996.
- Coastal Geomorphology and impacts of sea-level on coastal zone with adaptive measures, National Climate Committee, Report No.8, June 1997.
- Topographic Survey of Flic en Flac Beach, National Climate Committee, Report No.9b, June 1997

Note

The National Climate Committee publications have been prepared within the framework of the US Country Studies Program and Reports No. 8 and 9b have been submitted to and reviewed by US Country Studies Team.

- A coastal classification scheme for management purposes, a COI/MOI report, 2003.
- Marine Pollution Response Support Services in Mauritius. Proceedings of the Commission for Marine Meteorology Technical Conference on Marine Pollution, WMO Publication WMO/TD- No. 890 pp 95-111, 1998.
- The development and strengthening of Marine Meteorological Services in development countries, WMO bulletin, Vol. 47 No. 1, Jan 98.
- Several occasional papers and technical reports in ocean-related topics, published by Mauritius Meteorological Services since the 1980s. The latest one is Coastal Tourism and Climate Change, which has been forwarded to all relevant Ministries (Nov 2000).
- One of the Lead Authors of the Chapter (chapter 17) on sea-level rise impacts on Small Island Developing States for the WMO/UNEP Intergovernmental Panel on Climate Change (IPCC) Third Assessment Report (1996 – 2001).
- One of the Lead Authors of the WMO/UNEP IPCC Working Group III – special report on Methodological and Technical Issues in Technology Transfer – finalised at the fifth session of Working Group III at Kathmandu, 8-15 March 2001.
- Has contributed the Chapter on Effects of Sea-level rise on Small Island States for UNESCO Encyclopedia of Life Support Systems (EOLSS) to be published by UNESCO / EOLSS Publishers Ltd.
- Coastal Tourism and Climate Change, Oct 2000, Meteorological Services.
- Technical options for adaptation to climate in coastal zones, by Richard Klein (Potsdam Institute for Climate Impact Research, Germany), Robert Nicholls (Flood Hazard Research, Middlesex University, UK), **Sachooda Ragoonaden**, Micheke Capabianco (R & D Division, Technomar, S.P A. San Maria, Italy), James Aston (SPREP, Townville, 4810, Australia), Earle N. Buckley (National Oceanography and Atmospheric Administration (NOAA) Coastal Research Centre, Charleston USA) submitted to Journal of Coastal Research.
- The second topographic survey of Flic-en-Flac, National Climate Committee Report, Jan 2002.

Note:

This is a study to quantify the rate of erosion at Flic-en-Flac since 1996 when the first survey was conducted.

A presentation was made on 26 July 2002 at Gold Crest Hotel, Q-Bornes, to all stakeholders (private and public sectors and NGOs).

- Book review of the recent publication – Coastal Processes with engineering applications by Robert G. Dean and Robert A. Dalrymple, Cambridge University Press, 2002, xi + 475 pages – for the World Meteorological Organization (WMO) Bulletin. Published in WMO Bulletin Vol 52 No. 2 April 2003.
- One of the Lead Authors of the Chapter (Chapter 6) on Coastal and low-lying areas for the WMO/UNEP Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (2003-2007).
- Sea Level Activities and Changes in the Western Indian Ocean- article accepted and will be published in December 2006 issue of the Western Indian Ocean Journal of Marine Sciences
- **4. International and Regional Consultancies**
- Has worked as a WMO Expert for one year to implement a US\$ 350,000 WMO/UNDP Project on Development and Strengthening of Marine Meteorological Services in the Islamic Republic of Iran, June 1990 – June 1991.
- Has conducted consultancy missions of 2-3 week duration to prepare project proposal documents on marine meteorological services for the World Meteorological Organization (WMO) in Iran (1988), Yemen (1989), Ethiopia (1988), Morocco (1991), Bahrain (1999), Sudan (1999) and Maldives (1999).
- As WMO/IOC (UNESCO) Consultant, conducted mission in several countries in 1999 and 2000 in the Southern and Eastern Africa (Mauritius, Reunion (France), South-Africa, Mozambique, Tanzania, Kenya, Seychelles and Geneva (WMO) for discussion, to prepare the project document on WMO/IOC Western Indian Ocean Marine Application Project, which is under discussion to be finalised and submitted to donors / funding agencies in Nov 2002.
- Was invited as a WMO Expert in Abu Dhabi for the Keynote address at a National Seminar on Development of Marine Meteorological Services.
- Involved in the preparation of a WMO/UNDP project proposal for the extension of the Drought Monitoring Centre Programme in Southern and Eastern Africa, 1993.
- Has just prepared three project proposals and mission reports for enhancement of marine meteorological and related oceanographic activities in Lebanon, Syria and Egypt as a WMO Consultant (Feb-March 2002).
- Latest WMO mission was in Sao Tome e Principe (September 2002) to prepare a project proposal for the development of the National Meteorological Services

- Coordinate on behalf of the Indian Ocean Commission the UNEP African Environmental Information Network(AEIN) in the Western Indian Ocean. This is still on going.
- Act as facilitator and Prepare workshop report for the EU/IOC Brainstorming Session on Application of Meteosat Second Generation (MSG) data and Products(IOC Hq., Quatre Bornes, 6-7 December 2005).
- UNEP consultant for preparing the Assessment Report on Environmental Data/Information Resources relevant to the AEO reporting Process(14 November 2005- 14 January 2006) for the Western Indian Ocean.
- Is one of the Lead Authors for the Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report (2003-2007) for Chapter 6- Low Lying areas and Coast.
- UNEP consultant for preparing Core Environmental Data sets for the Western Indian Ocean. Report submitted in November 2006.
- Short term consultancy for the Commonwealth Secretariat to prepare a report for the Indian Ocean on “Curriculum Development and Exchange among Small States Regions: Building Skills on Adaptation to Climate Change, January 2007.

5. National Consultancies

- Writing up of a UNEP / GEF project proposal for National Capacity Self-Assessment on climate change, land degradation and biodiversity.
- Implementation of the first component - Division of the coastal zone of Mauritius into geomorphological units - of the MOI / COI Geo-spatial Information System for Coastal Vulnerability Mapping project.
- Part Time Lecturer at the University of Mauritius on several occasions, the latest being the MSc course on Environmental Engineering course Yr 2 (24 hours of the 45 hours for the Coastal Engineering module) in February-May 2003
- Consultant for an NGO CEDREFI to implement an 18 month UNDP/SGP Climate Change and Sea level Pilot Project in the small village of Grand River South East (2004/2005)

6. Attachment

- 3-month attachment, sponsored by UNESCO at the National Institute of Oceanography, (NIO), Goa, India in 1986 whereby two scientific papers – Physico-Chemical Characteristics of Waters in Mauritius-Seychelles Ridge Zone, South-West Indian Ocean (published), and Sea-Level Variation Signals to Large-Scale Ocean Circulation in the Indian Ocean – were prepared in collaboration with NIO Scientists.

7. International and Regional Activities

- Vice-President of the WMO Commission for Marine Meteorology (CMM) (1997 – 2000).

- Member of the CMM Advisory Working Group since 1985.
- Rapporteur on Marine Meteorological Services for WMO Regional Association for Africa since 1985,
- Former Chairman, Intergovernmental Oceanographic Commission (IOC)/UNESCO – Regional Committee for the Cooperative Investigation in the North and Central Western Indian Ocean (IOCINCWIO) - (1992-1996).
- Former Vice-Chairman of WMO/IOC Integrated Global Ocean Services System - (1988-1992).
- Former Chairman of WMO/CMM Working Group on Education, Training and Implementation Support - (1993-1996).
- Member of the WMO/IOC/UNEP/ICSU Global Ocean Observing System-Africa (1999...).
- Member of the IOCINCWIO Editorial Board of International Bathymetric Charting of the western Indian Ocean (IBCWIO) – (1995-...).

Participated in a research oceanographic cruise on ‘R.V. Marion Dufresne’ with French Oceanographers in 1989 on the leg Mombassa – Djibouti.

- Has made presentations at various International and Regional forums on Impact of Climate Change on Coastal Resources and on Coastal Erosion.

(A poster presentation – Abnormal seiches in the Mascarenes region and the Tsunami off Java on 2-3 June 1994. Fifth International Conference on Coastal and Port Engineering in Developing Countries (Cape Town, 19-23 April 1999).

- Is a member of the UNEP Data Working Group representing the Western Indian Ocean region
- Is currently preparing a full paper on climate change current and future activities in the Indian Ocean to address the related issues - an abstract has already been accepted- for the International Conference on Climate Change (Hong Kong, 29-31 May 2007)

7. Local Related Activities

- Team-Leader of the National Climate Committee Working Group on Impacts of Climate Change on Coastal Zone.
- Responsible for the climate change and coastal resources component of the US Country Studies Program.
- Coordinator of the activities on vulnerability assessment of impacts of climate change on Agriculture, water resources, health and coastal resources within the framework of

the UNEP/GEF Project – Enabling activities for the preparation of Initial National Communication.

- Representative of the Meteorological Services in local ocean-related meetings.
- Has initiated the establishment of the National Ocean Data Centre (NODC) in Mauritius within the framework of the IOC/UNESCO Ocean Data and information Network in Africa (ODINAFRICA)
- One of the Board Directors of the NGO Centre de documentation, de Recherches et de Formation Indianocéanique,

8. Awards

- Has received the ‘Outstanding Service Certificate’ during the first WMO/IOC Joint Technical Commission for Oceanography and Marine Meteorology (Iceland, June 2001) from the WMO Secretary General in recognition of active participation and contribution in WMO/IOC marine activities.
- Has been conferred the President’s Distinguished Service Medal Award on the occasion of the Mauritius National Day 2002.

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