**Curriculum vitae**

**TYPE OF EXPERTISE:**

**National Consultant in Agricultural Management/Agribusiness/Entrepreneurship/Extension/Food Security/Climate Smart Agriculture**

1. **Family name:** Hardowar
2. **First name(s):**  Shane
3. **Address:**  25, Avenue des Colombes, Morcellement Sodnac, Quatre Bornes, Mauritius

**Telephone:** (230) 403 7667 (off.) , (230) 762 0625 (mob.)

 **E-mail:** s.hardowar@uom.ac.mu

**4. Language skills:** (1 = excellent, 5 = basic)

|  |  |  |  |
| --- | --- | --- | --- |
| **Language** | **Reading** | **Speaking** | **Writing** |
| English | 1 | 1 | 1 |
| French | 1 | 1 | 1 |

**5. Education:**

2017 Certificate in Policy Advocacy (Distinction), University of Mauritius

2005 MSc Agricultural Management (Food and Allied Group Scholarship), University of Mauritius

1997 BSc (Hons) Agriculture (1st Division ,2nd Class Honours), University of Mauritius

1995 Diploma in Agricultural Science and Technology, University of Mauritius

1992 Diploma in Business Management/Administration (Distinction, CPA 89%), Cambridge Tutorial College, United Kingdom

**6. AWARD**

* Man of the Year Award, Man Superachiever Education, Training, Research and Consultancy, Train to Gain, December 2020.
* International Business School Americas, Digital Transformation Case study Competition-Awarded Top 10 best postgraduate paper, August 2020.
* Representing University of Mauritius at the National Productivity and Quality Convention 2019. NPCC, Mauritius. 2019. National Bronze Award.
* Best Business Plan, SMEDA National Competition, 2014.
* Best Delegation. Mentor Model African Union Summit, Ministry of Tertiary Education, Science, research and Technology, August 2014
* Food and Allied Group Scholarship Scheme 2003-2004, Faculty of Agriculture, University of Mauritius
* Southern African Centre for Cooperation in Agricultural Research and Training (SACCAR) Scholarship, GTZ, 1997

**7. Membership of professional bodies:**

* International Member of Shalom Club, Israel
* Node Coordinator, FANRPAN Mauritius Node
* Chairman, NGO, SHINE
* Member and former Treasurer of UOM Alumni
* Vice President (AFMA), 2014-2016
* President (AFMA), 2016-2018
* Member of Pravasi Bharatiya Divas, India
* Official International member of Liverpool Football Club, UK
* Member and Consultant, GIST Consulting Ltd.
* Vice President, ECOMODE Society, 2020-2021

**8. Other skills:**

* International Post Graduate Course (Certificate) in Agricultural Meteorology (Israel).
* Proficient in use of standard word-processing, spreadsheet, internet and database packages (MS-Word, MS-Excel, MS-Powerpoint, MS-Internet Explorer), Web 2.0 tools and Social Media.
* Certificate of Registration as Trainer in Agricultural Management from Mauritius Qualifications Authority.
* Academic Induction Module (TAL 5010) of the PG Certificate/Diploma/MSc Teaching and Learning in Higher Education Programme.

**9.** **Key skills and experience:**

* Ten years of experience of extension and training in the field of Crop Extension and implementation of Good Agricultural Practices.
* Experience of training and teaching from the development and delivery of extension and training materials for resource-poor farmers and entrepreneurs.
* Resource person responsible for training of VRS beneficiaries, CWA and MGI staff in gardening and vegetable production; training of students in Agriculture (National Trade Certificate level 3) at the Farmers Training School at Wooton, training of ‘service providers’ and on marketing of agricultural produce to agricultural entrepreneurs.
* Delivering tailor-made course in Vegetable Production for Mauritius Prisons.
* Delivering talk on ‘Safe and Sustainable Agriculture’ at the Mauritius Alliance of Women
* Delivering talk on ‘Intensive Organic Gardening’ at the Municipality of Quatre Bornes for citizens and general public
* Assisting entrepreneurs in preparation of business plans, part time mentor at the National Empowerment Foundation (2011)
* BSC and MSc student project supervision (UOM).
* Member of Interviewing panel at the University of Mauritius: Conducting interview for post of General Worker, Technical Assistant, Watchman and Project Assistant (2012)
* Member of Advisory Committee of NGO, Sustainable Agricultural Organisation.
* MSc Project Dissertation on ‘An assessment of the level of entrepreneurship in agribusinesses in Mauritius’
* Facilitator for Recognition of Prior Learning (HRDC) in the field of Agroindustry up to level 4 of the National Qualifications Framework
* Principal Investigator for Internally Funded Research Project on ‘A study of Climate Smart Agriculture practices and technologies adopted by small farmers in response to climate change in Mauritius’ (2015).
* Paper presented at International Conference on National Capacity Building Strategy for Sustainable Development and Poverty Alleviation (NCBSSDPA 2015) 26-28th May 2015, American University in Emirates, Dubai International Academic City, Dubai.
* Panelist representing University of Mauritius in Climate Smart Agriculture Dialogue in Zambia, 2015.
* National Delegate, Paris, France, COP 21 2015. Policy brief on CSA in Mauritius.
* PhD Summer School on Climate Smart Agriculture, Wageningen University, Netherlands (2016)
* Chairperson of the Local Organising Committee, AFMA, 2016
* Acting Head of Department, APS17 July 2017- 28 July 2017.
* Member, Induction Committee, FoA, UoM 2018-2019.
* Third Cycle Quality Audit Exercise, Session: Programme Advisory Committee, August 2018.
* Node Coordinator, Secretary, Steering Committee, Food, Agriculture and Natural Resources Policy Analysis Network
* Membership of the Board of the Centre for Innovation and Lifelong Learning (CILL) 2017-2018, 2018-2019
* Chairperson of FoA Research Week Organising Committee, 2019
* Rapid Biodiversity Assessment of flora and fauna, Rodrigues, 2020.
* Teaching ‘Entrepreneurship and Innovation’-MBA Innovation and Leadership, Ducere Business Schoolt, Australia/University of Mauritius
* Assessor: National Research Week in the Higher Education Sector-“ Preparing for the Future”, 2-5 April 2019.
* Teaching ‘Certificate course in police studies’ –Principles and practice of police management, CILL, Ebene. 2021

**10. Consultancy:**

* Rapid Biodiversity Assessment of flora and fauna on Rodrigues Island, Rodrigues Regional Assembly, September 2020.
* Principal Investigator. **Hardowar S.,** Driver MF, Ramasawmy B, Ruggoo A, Neetoo H, Goburdhun D, Boodia N, Chooneea M. Internally Funded Research Project on ‘An Assessment of Food Waste generated by the Food and Beverages sector of the Hotel Industry in Mauritius for Sustainable Food Waste management’. (2018-2020). Completed June 2020.
* National Consultant on Intellectual Property Rights, WIPO to review IPDP draft for Mauritius. 2016.
* Collaborator on Switch Africa Green Project UNEP/EU/UNDP/UNOPS (2016)
* National Consultant-COMESA to facilitate the Mauritius CAADP stocktaking exercise (February 2015-June 2015)
* National Consultant for EDES-EU-ACP Development of Food Safety Systems to strengthen Food Safety Systems for Honey with objective to train producers on Self-Assessment Guide of EDES (2014/2015)
* National Consultant for EDES-EU-ACP Development of Food Safety Systems to strengthen Food Safety Systems for Pineapple with objective to train producers on Self-Assessment Guide of EDES (2011-2015)
* Collaborator of FOA consultancy team on ‘Comprehensive scoping study of Climate Smart Agriculture Policies in Eastern and Southern Africa’ (2014).
* Consultancy project on IFSP TCP project of FAO (September 2009 to March 2010).
* Consultant- PAEPARD II project for FANRPAN (2011).

**11. Publication (Papers and Books):**

**Papers**

**Hardowar, S** and Ramborun, V (2014). Vulnerability and Adaptability of Farmers with a Climate Smart Agriculture perspective in the Western region of Mauritius.

**Hardowar, S.** (2005). *An Assessment of the Level of Entrepreneurship in Agribusinesses in*

*Mauritius.* MSc Agricultural Management, University of Mauritius.

R Brizmohun-Gopaul; S Facknath; A Ruggoo; **S Hardowar** (2012).*A Situational Analysis of Climate change adaptation and mitigation for agriculture in Mauritius*. UOM Research Journal.

**Hardowar S,** Facknath S, Boodia N, Chooneea M, Ramhit K (2014). *“A Study of Climate Smart Agriculture (CSA) Practices and Technologies Adopted by Small Farmers in response to Climate Change in Mauritius’’.(In process)*

**Hardowar, S** & Unnoop, M. (2014). *Small Entrepreneurial Food Processing Business: A*

*Potential Solution to Overcome Poverty by Women Entrepreneurs.* University of Mauritius

Journal, 16p.

Neetoo H, Ramasawmy B  , Ruggoo A , **Hardowar S** , Rungasamy I ,Jaumdally W , Reega K (2019).A comparative assessment of the quality of minimally processed pineapples sold in wet markets and supermarkets of Mauritius. Journal of *Current Research in Nutrition and Food Science.*

Books

Hardowar S, Chikhuri N. Comprehensive Africa Agriculture Development Programme (CAADP) in Mauritius. Editions Universitaires Europeenes. 2017.

**Hardowar S.** (2020). A review of Climate Smart Agriculture in Mauritius: Moving towards a landscape approach. In Venkatramanan V, Shah S, Prasad R (Eds.). Global Climate Change: Resilient and Smart Agriculture. Pp 15-32

**Papers in Conference proceedings:**

**Hardowar, S** and Ramasawmy, B (2012). Are *sustainability goals part of local agribusinesses*” in the *International Bilingual Conference on Sustainable Entrepreneurship*, 22-24 November 2012, at Le Meridien Hotel, Mauritius.

**Hardowar, S and Ramborun, V (2014).** *Vulnerability and Adaptability of Farmers with a Climate Smart Agriculture perspective in the Western region of Mauritius.* Paper presented at the AFMA conference in Cape Town, 16-20 November 2014.

**Hardowar, S (2015).** *An Assessment of the level of Sustainable Entrepreneurship in Women-led Agribusinesses in Mauritius*. Paper presented at the NCBSSDBA at the American University in Emirates, Dubai. 26-28 May 2015.

**Hardowar,** S (2016). *Launching of a new food product in Mauritius*. 10th AFMA Conference. 20-24th November 2016.

**Hardowar S, (2017).** 5th International Conference on Managing Organizations in Africa, 29-31 August 2017. Africa research Group (ARG), University of Nottingham/University of Mauritius, Long Beach Golf and Spa, Belle Mare, Mauritius. Paper on ‘A review of the CAADP as an opportunity for the agricultural sector in the Republic of Mauritius’. Chaired parallel session 1.

**Major Technical Reports and Policy papers:**

1. **Hardowar S** (2010). *Report on National Dialogue on Climate Change in Mauritius*.
2. **Hardowar S** (2013).*Report on National Dialogue on Youth in Agriculture*.
3. **Hardowar S**, Boodia N (2013).*Policy Brief on National Dialogue on Youth in Agriculture.*
4. Report on Partner Institutional Viability Assessment (PIVA) in 2013 (FANRPAN Secretariat, Contributor: Shane Hardowar).
5. **Hardowar S** (2014). *Report on Validation workshop on Climate Smart Agriculture (CSA) Policy Scoping Study* (Contributor: Navin Boodia, Weena Ramen).
6. **Hardowar S ,** Seebun P (2009).*Report on Validation workshop on Southern African Development Community Regional African Policy (RAP). (Contributor and Facilitator).*
7. Chikhuri N, **Hardowar S (2015).** *Report on**Mauritius CAADP Stocktaking Exercise.*
8. **Hardowar S,** Seetahul D (2015). *Policy paper on Climate Smart Agriculture.* Policy brief-COP 21 in Paris side event*..*(Espaces Generations Climat) at Le Bourget (from 05 December 2015 to 09 December 2015).
9. Bitterman K, **Hardowar S,** Kramer N, Lutz F (2016). Policy paper on Climate Smart

Agriculture in the Netherlands, Wageningen University, 25 August 2016.

**Poster:**

PhD Summer School in Climate Smart Agriculture. Presentation of poster on ‘Economic Benefits of Climate Smart Agriculture practices to small farmers in Mauritius’. Wageningen University, Netherlands. 21-26 August 2016

1. **Organisation/Participation in conferences/workshops**
2. Participated and presented on Theme 4: Sustainable Food, Land, Water and Oceans , Half-day workshop on ‘Observatoire de L’environnement’,University of Mauritius, 08 Sep 2020.
3. Working sessions on Research and Development Component of the ‘Observatoire de L’Environnement’, University of Mauritius, Reduit, 23 July 2020
4. Speaker on ‘Academia and Climate Justice: Opportunities and Challenges’, Mauritius Climate Justice Conference 2019. University of Mauritius. October 2019, Mauritius.
5. Co-Organiser of Australia-Africa University Network (AAUN) World Café conference on Food Security and Nutrition, University of Mauritius and University of Pretoria, July 2019, Ebene Campus, Mauritius
6. Participated in COLEACP 'Train the Trainers' Course, Capacity Building in training and communication techniques and using ‘Field Training Workshop’ on Food Safety and Crop Protection, Dar-Es-Salaam, Tanzania, June 2019.
7. Investigator for European Project GCCA+ flagship initiative project on ‘Supporting Climate Smart Agriculture for smallholders in Mauritius’2018-2021
8. Erasmus+ Mobility program, University of Osijek, Croatia, May 2019
9. Representing University of Mauritius at National Productivity and Quality Convention 2019. NPCC, Mauritius. 2019. Bronze Award.
10. Organiser of 5-day short training course on ‘Tackling Climate Change in Agriculture: Approaches to Adaptation and Climate Smart Agriculture in the SADC region. University of Mauritius and CCARDESA. 18-22 June 2018.
11. Presented paper on ‘An overview of CSA: technologies, practices and strategies in Mauritius’-Tackling Climate Change in Agriculture: Approaches to Adaptation and Climate Smart Agriculture in the SADC region. University of Mauritius and CCARDESA. 18-22 June 2018.
12. Conference on ‘Food Loss and Food Waste Reduction and Recovery’. 27th February -01 March 2018, RBLT, University of Mauritius. Chairing plenary morning session on Day 2.
13. FANRPAN Node Common Vision Workshop and All Africa Congress and Exhibition, Nairobi, Kenya (26-31st March 2017).
14. FANRPAN Node Coordinator Exchange Visit to South Africa Node, Pretoria (03 July-07 July 2017).
15. 5th International Conference on Managing Organizations in Africa, 29-31 August 2017. Africa research Group (ARG), University of Nottingham/University of Mauritius, Long Beach Golf and Spa, Belle Mare, Mauritius. Paper on ‘A review of the CAADP as an opportunity for the agricultural sector in the Republic of Mauritius’. Capacity Building workshop –Agriculture and land use (ALU) national GHG Inventory Software Version 5.0 UoM, Reduit 24-28 July 2017
16. Chairman of session, 5th International Conference on Managing Organizations in Africa, 29-31 August 2017. Africa research Group (ARG), University of Nottingham/University of Mauritius, Long Beach Hotel, Belle Mare. Certificate of participation.
17. Main organiser of Policy Dialogue on Multi-Stakeholder Climate Smart Agriculture National Policy Dialogue, The Food Agriculture and Natural Resources Policy Analysis Network (FANRPAN) Mauritius Node, RBLT, University of Mauritius, Réduit, Mauritius, 6 October 2016.
18. FANRPAN. Main organiser of national dialogues and workshops on Climate Change and CSA. 2011-2016
19. Presentation of poster on ‘Economic Benefits of Climate Smart Agriculture practices to small farmers in Mauritius’ PhD Summer School in Climate Smart Agriculture. Wageningen University, Netherlands. 21-26 August 2016
20. Participating and Panelist in Regional Climate Smart Agriculture (CSA) Policy Dialogue representing University of Mauritius, 24th to 28th August 2015, Zambia.
21. National CoP 21 delegate in Paris, France. Policy brief on Climate Smart Agriculture exhibited during side event, 07 December 2015.
22. Chairman of session, Research day-Faculty of Agriculture, University of Mauritius, 2015.
23. 11 July 2013 Validation workshop for review of CC Research and Policy in the Agriculture, Health and Urban Development Sector in Southern Africa. Garden Court OR Tambo hotel, Johannessburg.
24. **Employment Record**:

Jan 2021 Head of Department, Agricultural Production and Systems,

-Jan 2023Faculty of Agriculture, University of Mauritius

April 2017 Senior Lecturer//National Consultant, Faculty of Agriculture, University of Mauritius

- to date

June 2009 Lecturer/National Consultant, Faculty of Agriculture, University of Mauritius

-Mar 2017

June 2011 Officer-in-Charge, University of Mauritius Farm (in addition to Lecturer)

-Dec 2012

Aug 2008 Lecturer (part time), Faculty of Agriculture, University of Mauritius

-Dec 2008

July 1998- Extension Officer, Food and Agricultural Research and Extension Institute

May 2009

Jan 1998- Grade A Teacher, Universal College, Mauritius

April 1998

Sep 1997- Research Assistant, Faculty of Science, University of Mauritius/PRE-COI

Dec 1997

**14. Training/Courses (certificates):**

|  |  |  |
| --- | --- | --- |
| **Dates** | **Institution** | **Course/Workshop/Programme** |
| 27 Jan and 02 Feb 2021 | UoM | Leadership course |
| 17-28 August 2020 | AARDO-RDA, Bangladesh | COVID-19 and its impact on small and medium on-farm and off-farm agro-based and cottage industries (online) |
| 09-11 Mar 2020 | FAO, Labourdonnais Hotel, Caudan, Port-Louis | ‘Training of Trainers’ workshop |
| 20 Dec 2018 | Campus Numerique Francophone (CNF)-Agence Universitaire de la Francophonie (AUF) | Certificate of attendance on Wikipedia |
| 24-28 July 2017 | Third National Communication for the Republic of Mauritius under the United Nations Framework Convention on Climate Change, RUniversity of Mauritius | Application of Agriculture and Land Use (ALU) Software Version 5.0 |
| 20Feb -03 March 2017 | University of Mauritius/Decentralised Cooperation Programme | Certificate with Distinction in Policy Advocacy |
| March 2017 (3-Day Training) | Centre for Innovative and Lifelong Learning (CILL), University of Mauritius | Certificate of attendance on Training Course Development on Moodle |
| 20-24 Nov 2016 | Le Meridien Hotel/UoM  | AFMA |
| 21-26 August 2016 | Wageningen University, Netherlands, Phd summer school | Certificate of participation |
| 16 July 2015 | UoM and Safety Enhancement of Edible Products, Legislation, Analysis and Management, SELAMAT | Certificate of attendance one day international symposium on food safety |
| 26 May 2015 | Scholarlink Research Institute, Manchester Uk/American University in the Emirates, Dubai | Certificate of participation International Conference on NCBSSDPA |
| 19-20 August 2014 | Model African Union Summit, Mauritius | Certificate of participation as Mentor |
| 11 July 2013 | FANRPAN/CORAF/WECARDGarden Court, O.R Tambo Hotel,South Africa | Validation workshop for the review of climate change research and policy in agriculture, health and urban development sector in Southern Africa  |
| 20-25 May 2013 | EDES, EU fundedHeld at La Pirogue Hotel, Flic en Flac, Mauritius | Workshop on ‘Analysis of Food Security Systems’Certificate of participation |
| 22-24 November 2012 | Institut de La Francophonie pour L’Entrepreneuriat/University of Mauritius,Le Meridien Hotel, Mauritius | International Bilingual Conference on Sustainable Entrepreneurship (IBCSE 2012)Certificate of participation |
| 02-03 October 2012 | Mauritius Qualifications Authority,Phoenix | Workshop for Training of Recognition of Prior Learning (RPL) FacilitatorsCertificate of attendance |
| 09-13 July 2012 | Technical Centre for Agricultural and Rural Cooperation ACP-EU (CTA)/Faculty of Agriculture, University of Mauritius | Web 2.0 Learning Opportunity: Certificate of attendance in Web 2.0 and Social Media for Development |
| 18-20 Jan 2012 | Food and Agriculture Organization of the United Nations (FAO)/UOM | EX-Ante Carbon-balance Tool (EXACT) workshop: Certificate of attendance |
| 05-08 July 2011 | World Intellectual Property Organization (WIPO)/Mauritius Research Council, Mauritius | WIPO Training of Trainers Program on Effective Intellectual Property Asset Management by SMES |
| 02-03 June 2011 | Ministry of Tertiary Education, Science, Research and Technology/Mauritius Research Council, Mauritius | Research Grant Application Course: Certificate of participation |
| Dec 2010 | University of Mauritius (UOM) | Academic Induction Module (TAL 5010) |
| Aug-Sep 2010 | FANRPAN, NAMIBIA | Food Security Policy Dialogue |
|  08-09 July 2010 | Faculty of Agriculture, University of Mauritius/SADC Implementation and Coordination of Agricultural Research and Training (ICART) project | Web 2.0 Collaborative Tools in Agricultural Information Management: Certificate of attendance |
| June 2010 | FANRPAN | Conducted Dialogue on Climate Change |
|  04 May- 01 June 2009 | University of Technology Mauritius/Human Resource Development Council under EU-Decentralised Cooperation Programme | Training Programme in Training Needs AnalysisCertificate awarded |
| 26-28 Nov. 2008 | Jo-Anne Hilliar Landscape Design Consultants/Regional Training Centre,Robert Antoine BuildingReduit, Mauritius | Landscape Supervisory Training Programme (Certificate on Supervisory skills for Landscaping) |
| 20-22 Feb. 2007 | Agricultural Research and Extension Unit (AREU), Food and Agricultural Research Council, under Agricultural Technology Diffusion Scheme (ATDS) | Production of Melon and Sweet Pepper under hydroponics: Certificate of attendance |
| 08-17 Nov. 2006 | Business Development/Consultancy Division of Industrial and Vocational Training Board (IVTB) | Train the Trainer Programme: Certificate of attendance |
| 10-14 Oct 2005 | Food Quality and Standards Service, Food and Nutrition Division of FAO/Tanzanian Bureau of Standards (TBS),Arusha, Tanzania | Sub-regional workshop on ‘Improving the quality and Safety of fresh fruits and vegetables: A practical approach’: Certificate of participation |
| April 2003-May 2003 | Microcoms Ltd.,Rose Hill | Web Page Design (Microsoft Frontpage 2000) |
| 28 Jan-10 Feb. 2003 | AREU/Rural Diversification Programme (IFAD) | Focus Group Methodology: Certificate of participation |
| May 2002 | Ledikasyon Pu Travayer (LPT)/MIE, Reduit | Human Rights and Ecology in the Epoch of Globalisation |
| May-June 2001 | Regional Meteorological Training Centre, Israel | Agricultural MeteorologyTree Planting and Visit to holy river , Jordan certificate |
| 20 Nov-01 Dec 2000 | AREU/MASHAV (Israel),AREU, St Pierre | Post-Harvest Technology for Tropical Fruits and Vegetables: Certificate of participation |
| 19-23 June 2000 | Economic and Marketing Consultants Ltd./Technology Introduction and Development Scheme (TIDS), Mauritius | Workshop on Hydroponics: Certificate of attendance |
| May 1999 | Small and Medium Industries Development Organisation (SMIDO), Mauritius | Entrepreneur Development Programme: Certificate of attendance |
| June- July 1996 | UOM/UNDP/MEPITPROSI, Trainee at Riche-en-Eau S.E | Otto Essien Young Professionals Training Programme: Certificate of participation |
| 07-28 Dec. 1992 | Sitrac Ltd.,Port Louis | Micro-Computer applications |

**15. References:**

1. Associate Professor Sudesh Puchooa

Dean

Faculty of Agriculture

University of Mauritius

Tel. 403 7659

1. Professor Sunita Facknath

AFS/Former Dean

Faculty of Agriculture

University of Mauritius

Tel. 403 7655