

Dr. Sherene James-Williamson

PUBLICATIONS

Chapters in Books

1. Mitchell, S.F., **James, S.** and Ramsook, R. 2012. Mollusk Shells. In: Allsworth-Jones, P. and Wesler, K. (Eds.) *The Taino Settlement at Guayguata: Excavations in St Mary Parish, Jamaica. Hadrian Books (British Archaeology Reports), Oxford*, 82-107.

Edited Volumes

1. **James-Williamson, Sherene A.** and Jolliffe, Lee. 2018. *Caribbean Museums, Volume 2-3.*
2. **James-Williamson, Sherene A.** and Donovan, Stephen K. 2018. *Caribbean Journal of Earth Science, Volume 50.*
3. **James-Williamson, Sherene A.** 2018. *Caribbean Journal of Earth Science, Volume 49.*
4. **James-Williamson, Sherene A.** and Francis-Brown, Suzanne. 2016. *Caribbean Museums, Volume 1.*
5. Mitchell, S. F. and **James-Williamson, S. A.** 2015. Geological Society of Jamaica, 60th Anniversary Conference, Abstracts and Field Guides 23rd-28th November, 2015. *UWI Contributions to Geology #7*, 1-30.
6. **James-Williamson, S.A.** 2015. *Caribbean Journal of Earth Science, Volume 48.*
7. Mitchell, Simon F. and **James-Williamson, S.A.** 2014. *Caribbean Journal of Earth Science, Volume 47.*
8. **James-Williamson, Sherene A.** and Francis-Brown Suzanne. 2014. "Innovation, Research & Education – the future of Caribbean Museums. Museums Association of the Caribbean Annual Conference and AGM Kingston, Jamaica November 16-20, 2014, Abstracts and Programmes.
9. Mitchell, Simon F. and **James-Williamson, S.A.** 2013. *Caribbean Journal of Earth Science, Volume 45* (International Congress of Rudist Bivalves, Kingston, Jamaica, 2011).

Journal Articles (Peer-reviewed Journals)

1. Coy, Andre, James-Williamson, Sherene A., Bramwell-Laylor, Sharon, Sadler-McKnight, Novelette, McLean, Natalie, Penugonda, Venkateswar and Rainford, Marcia. (2019). A review of a tertiary level institution's initiative for enhancing education in STEM at the secondary level. *Journal of Education and Development in the Caribbean Special Issue - STEM Education in the Caribbean: Challenges, Goals and Possibilities. Volume 18 (1) p. 132-182.*
2. Farmer, K., Hyppolite, J., **James-Williamson, S.A.** and Urquhart, N. 2018. A History of Connections, A Future of Collaborations: The Museums Association of the Caribbean. *International Review of African American Art. 28 (2), 37-45.*
3. Locatelli, E.R., Briggs, D.E.G. Briggs, Stemann, T., Portell, R.W., Means, H.G., **James-Williamson, S.A.** and Donovan, S.K. 2017. Leaves in marine turbidites illuminate the depositional setting of the Pliocene Bowden shell beds, Jamaica. *Geology 46 (2): 131-134. DOI:*
4. <https://doi.org/10.1130/G39780.1>

5. Glas, H., Jonckheere, M., Mandal, A., **James-Williamson, S.**, De Maeyer, P. and Deruyter, G. 2017. A GIS-based tool for flood damage assessment and delineation of methodology for future risk assessment: case study for Annotto Bay, Jamaica. *Natural Hazards*, 88 (3) 1867-1891. doi:10.1007/s11069-017-2920-5.
6. Glas, H., Deruyter, G., De Maeyer, P., Mandal, A., and **James-Williamson, S.** 3016. Analyzing the sensitivity of a flood risk assessment model towards its input data, *Nat. Hazards Earth Syst. Sci.*, 16, 2529-2542, doi:10.5194/nhess-16-2529-2016, 2016.
7. **James-Williamson, Sherene A.**, Aratram, M. and Green, P.E. 2016. *Protecting Geoheritage in the Caribbean - insights from Jamaica West Indies*. *Journal of Geoheritage* 9 (2) 195-209. DOI [10.1007/s12371-016-0195-y](https://doi.org/10.1007/s12371-016-0195-y)
8. **James-Williamson, Sherene A.** and Reid, Andre D. 2016. Assessment and conservation of an outdoor exhibit: the Geography Geology Obelisk. In James-Williamson, S.A. and Francis-Brown, S. (eds.). *Caribbean Museums*, 1, 42-59.
9. Mitchell, S. F. , Abbott, R.N. , Bhalai, S. , Dwyer, S. , Edwards, T.C.P., Mohamed, A., Ferguson, N., Harris, N., Harrypersad, S., Hepburn, O., Howell, C., **James-Williamson, S.A.**, Mcfarlane, K., Nembhard, N., Parker, S., Quintal, J., Reid, A., Reid, O., Robinson, N., Shirt, A., Stemann, T., Thompson, H., White, M., Williams, J.C.B., Williams, L. 2016. Revision of Jamaican lithostratigraphic nomenclature decided at a stratigraphic workshop of the Jamaican Stratigraphic Committee at the 60th Anniversary of the Geological Society of Jamaica. *Caribbean Journal of Earth Science*, 48, 37-45.
10. Mitchell, Simon F., **James-Williamson, Sherene A.**, Miller, David J. and Mandal, Arpita. 2015. Comment on: “Geomorpho-tectonic evolution of the Jamaican restraining bend” by Leomaris Domínguez-González, Louis Andreani, Klaus P. Stanek and Richard Gloaguen *Geomorphology*, 228 (2015) 320–334. DOI: [10.1016/j.geomorph.2015.12.003](https://doi.org/10.1016/j.geomorph.2015.12.003)
11. Mitchell, S.F. and **James-Williamson, S.A.** 2015. An Enormous Fossil Shell – the inspiration that led to the description of Jamaica’s fossil rudist bivalves. *Jamaica Journal* 35, (No. 3), 62-64.
12. **James-Williamson, S.A.**, Mitchell, S.F. and Ramsook, R. 2014. Tectono-stratigraphic development of the Coastal Group of south-eastern Jamaica. *Journal of South American Earth Sciences* 50, 40-47. <https://doi.org/10.1016/j.jsames.2013.11.005>
13. Green, P.E. and **James-Williamson, S.A.** 2013. “Geoconservation analysis at Ackendown, Jamaica defining geoarchitecture” *XI International Forum Le Vie dei Mercanti Heritage, Architecture, LanDesign. Focus on Conservation, Regeneration, Innovation*. Napoli, Italy: La scuola di Pitagora editrice. 39, 929-938.
14. **James-Williamson, S.A.** and Mitchell, S.F. 2013. Rudists Collections at The University of the West Indies Geology Museum (UWIGM). *Caribbean Journal of Earth Science*, 45, 91-98.
15. **James-Williamson, S.** and Mitchell, S.F. 2012. Revised lithostratigraphy of the Coastal Group of south-eastern St. Thomas, Jamaica. *Caribbean Journal of Earth Science*, 44, 9-17.
16. Mitchell, S.F. and **James-Williamson, S.** 2011. Rudist bivalves in Jamaica: from Barrett and Sawkins to Chubb. In: Mitchell, S. F. (Editor), *The Ninth International Congress on Rudist Bivalves 18th to 25th June 2011 Kingston, Jamaica. Abstracts, Articles and Field Guides Contributions to Geology, UWI. Mona, #6*, 1-5.

17. Mitchell, S.F., **James, S.A.** and Brown, I. C. 2006. "A late Pleistocene progradational clastic shoreface succession in Jamaica: Implications for the preservation potential of the echinoid *Leodia*." *Letbaia*. **39**, (No 4), 321-327. <https://doi.org/10.1080/00241160600847553>
18. Mitchell, S.F. and **James, S.A.** 2005. Field Trip 1, Saturday 3rd December, 2005. The Geology of Eastern St. Thomas: A Microcosm of Jamaican Geology. In: Mitchell, S.F. (Ed.), *Celebrating 50 years of the Geological Society of Jamaica: A distinguished past, critical for future development*. 1st to 4th of December 2005. Mona Visitor's Lodge, University of the West Indies, Mona, Kingston, Jamaica. Technical Sessions 1st to 2nd December. Field Trips 3rd to 4th December. Programme, abstracts and field guides. Geological Society of Jamaica, Kingston, Jamaica, 21-25. (ISBN 976-8038-05-5).
19. **James, S.A.** and Semple, H.M. 2001. Adoption and implementation of GIS in Planning Agencies in Jamaica: issues and prospects. *Conference Proceedings, URISA Caribbean GIS Conference* (September 2001, Montego Bay, Jamaica), pp. 547-561, URISA.

Abstracts of Papers Presented at Conferences (speaker underlined; published abstracts marked with *)

1. *James-Williamson, Sherene A. and Parker, Stephanie Y. 2018. Limitations to the siting of landfills in Jamaica, West Indies. Faculty of Science and Technology 11th Conference, Kingston, Jamaica April 25-27, 2018.
2. *James-Williamson, Sherene A. and Parker, Stephanie Y. Earthquakes and Heritage: The Case of pre- and post-1907 Kingston Earthquake. Museums Association of the Caribbean Conference, Miami, Florida, USA, October 23-26, 2017, 3.
3. *James-Williamson, Sherene A., McDonald, Colin C., Williams, Damian, Howell, Cheyne and Ellington, Pilar. 2015. Geoarchaeology of Colbeck Castle, St. Catherine, Jamaica. Geological Society of Jamaica 60th Anniversary Conference to be held at UWI, Mona November 23-28, 2015. *UWI Contributions to Geology #7*, 5.
4. *James-Williamson, Sherene A. 2015. Geoconservation in Jamaica: a proposal towards the protection and designation of geological sites. Geological Society of Jamaica 60th Anniversary Conference to be held at UWI, Mona November 23-28, 2015. *UWI Contributions to Geology #7*, 4.
5. *Reid, André and **James-Williamson, Sherene. A.** 2015. Relationship between Rare Elements and the origins of Bauxite in Jamaica. Geological Society of Jamaica 60th Anniversary Conference to be held at UWI, Mona November 23-28, 2015. *UWI Contributions to Geology #7*, 8.
6. *Williams, Jullian C.B., **James-Williamson, Sherene A.** and Voutchkov, Mitko. 2015. An examination on radioactive leakage within bauxite deposits and the health effects related to bauxite pit reclamation in Perth, Manchester, Jamaica. Geological Society of Jamaica 60th Anniversary Conference to be held at UWI, Mona November 23-28, 2015. *UWI Contributions to Geology #7*, 12.
7. *James-Williamson, Sherene. A. and Mitchell, Simon F. 2015. Deposition Architecture of a fluvio-deltaic to reef crest succession, Port Morant Formation, Jamaica. Abstracts and Programmes 20th Caribbean Geological Conference, Port of Spain, Trinidad, June 17-22, 2015. pp. 58.

8. **Sherene A. James-Williamson** and Simon F. Mitchell. 2015. 'Source of the Seville Stones?' Abstracts and Programmes 13th Archaeological Society of Jamaica Symposium, April 8-9, 2015. pp. 10.
9. ***James-Williamson, Sherene A.** 2014. Assessment and conservation of an outdoor exhibit: the Geography Geology Obelisk. *In* "Innovation, Research & Education – the future of Caribbean Museums. Museums Association of the Caribbean Annual Conference and AGM Kingston, Jamaica November 16-20, 2014, Abstracts and Programmes. Eds. Sherene James-Williamson and Suzanne Francis-Brown.
10. **James-Williamson, Sherene A.** Green, Rupert D. and Reid, Andre D. 2014. Spatial and Image analysis at the intersection of Geology and Archaeology. LICJ Symposium. November 13, 2014, The University of the West Indies, Mona.
11. **James-Williamson, Sherene A.** 2013. Using Hidden Collections to make Connections. Museums Association of the Caribbean Annual Conference and AGM Belize City, Belize, October 27-31, 2013, Abstracts and Programmes.
12. **James-Williamson, Sherene A.** 2013. Diversifying the UWIGM through research and publication. Museums Association of the Caribbean Annual Conference and AGM Belize City, Belize, October 27-31, 2013, Abstracts and Programmes.
13. **James-Williamson, Sherene A.** and **Jones, Sherilyn L.** 2013. Towards a future for MAC. Museums Association of the Caribbean Annual Conference and AGM Belize City, Belize, October 27-31, 2013, Abstracts and Programmes.
14. **James-Williamson, Sherene A.** and **Green, Patricia E.** 2013. Geoconservation and geoarchitecture surrounding Archaeology at the town of *Sevilla* in Jamaica. 11th Annual Archaeological Society of Jamaica Symposium held at UWI, Mona, Kingston 7, Jamaica, April 11, 2013. **(See full paper citation in Conferences/Scientific Papers)**
15. **James-Williamson, S.A.** 2012. The UWIGM in transition – prospects, challenges and expansion. *Museums Association of the Caribbean Annual Conference October 20-24, 2012. Port of Spain, Trinidad*
16. **James-Williamson, Sherene A.** and Aratram, Margaret. 2012. Areas of Special Scientific interest: a proposal for classification and designation. 10th Annual Archaeological Society of Jamaica Symposium held at UWI, Mona, Kingston 7, Jamaica, April 11-12, 2012.
17. **James-Williamson, Sherene A.,** Green, Patricia E. and Ebanks, Roderick. 2012. What can mortar and construction practices reveal about the history of Ackendown? 10th Annual Archaeological Society of Jamaica Symposium held at UWI, Mona, Kingston 7, Jamaica, April 11-12, 2012.
18. ***James-Williamson, S.A.** and Mitchell, S.F. 2011. Provenance, use and interpretation of the Rudists Collection at The University of the West Indies Geology Museum (UWIGM). *Congress on Rudist Bivalves 18th to 25th June 2011 Kingston, Jamaica. Abstracts, Articles and Field Guides Contributions to Geology, UWI. Mona, #6, 12.*
19. ***James-Williamson, S.A.** 2011. The changing role of the UWI Geology Museum: From Repository to an interactive learning environment. 19th Caribbean Geological Conference. Le Gosier, Guadeloupe, France. March 21-26, 2011.
20. ***James-Williamson, S.A.** & Mitchell, S.F. 2011. Tectono-stratigraphic development of southeastern Jamaica. 19th Caribbean Geological Conference. Le Gosier, Guadeloupe, France. March 21-26, 2011.
21. **James-Williamson, S.A.** 2010. "Learning science beyond the classroom". 8th Regional Conference of Young Scientists of TWAS-ROLAC. *Avanços e Perspectivas da Ciência no Brasil, América Latina e Caribe. Rio de Janeiro, 29 de novembro a 3 de dezembro de 2010*
22. **James-Williamson, S.A. 2010.** The University of the West Indies Geology Museum: a university-wide teaching resource. The Archeological Society Annual Symposium, held May 6, 2010.

University of the West Indies, Mona.

23. **James-Williamson, S.A.**, McLymont-Lafayette, I., Douglas, N. and Swaby, S. 2009 “Voices for Climate Change Education: A National Climate Change Communication Strategy” Jamaica Institute of Environmental Professionals 4th Biennial Conference on the Environment 2009 “Climate Change: Caribbean Response” May 26-27, 2009. Jamaica Pegasus Kingston.
24. ***James, S.A.** Stemann, T.A. and Mitchell, S.F. 2006. “*Coral Reefs and Patch Reefs at Dead Man's Bones: Rapid Burial or Slow Sediment Stress*” The Geological Society of America: The Pursuit of Science, Annual meeting and Exposition. Abstracts with Programs. Pennsylvania Convention Centre, Philadelphia, October 22-25, 2006. Number of citations: 1
25. ***James, S.A.** and Mitchell, S.F. 2002. Oral presentation “*Modern and Pleistocene Beach Systems in Southeastern Jamaica*” Abstracts of the 16th Caribbean Geological Conference, June 2002, Barbados West Indies. p.13
26. ***James S.A.**, Mitchell, S.F., Marshall, J.D. and Crowley, S.F. 2005. “*Geochemistry and formation of horizontal elongate concretions in a mixed sand-gravel shoreface.*” 17th Caribbean Geological Conference Mayaguez Puerto Rico July 17-21, 2005.
27. ***James S.A.**, Mitchell, S.F., Marshall, J.D. and Crowley, S.F. 2005 “*Geochemistry and formation of horizontal elongate concretions in a mixed sand-gravel shoreface.*” Submitted for oral presentation at the 7th Faculty of Pure and Applied Science Conference, UWI Mona May17-19, 2005.
28. ***James, S.A.** and Mitchell, S.F. 2005. “*Tectonostratigraphic Evolution of the Coastal group, Southeastern Jamaica*” Geological Society of Jamaica 50th Anniversary Conference to be held December 1-3, 2005.
[Citations 1]
29. ***James, S.A.** and Mitchell, S.F. 2004. “*Tectonic-Sedimentary History of Southeastern Jamaica*” The Geological Society of America: Geoscience in a changing world, Annual meeting and Exposition. Abstracts with Programs. Colorado Convention Centre, Denver Colorado November 7-10, 2004. p. 100 **[Citations 1]**
30. ***James, S.A.** and Mitchell, S.F. 2003. “*Pleistocene delta deposits St. Thomas, Jamaica.*” Abstract published in Baas J.H, BSRG Annual Meeting School of Earth Sciences University of Leeds December 20th to 22nd, 2003 Programme and Abstracts. p. 55

Technical Reports

1. **James-Williamson, Sherene A.**, van Wyk de Vries, Benjamin, Irapta, Naomi P., Dolphy, Jorjan, Atkinson-Swaby, Lesley-Gail, et al., “Small Island Developing States – the potential for developing UNESCO Global Geoparks a report for UNESCO International Geosciences and Geoparks Programme. 30 August 2021.
2. **Ackendown Restoration Project**, July to December 2011 in collaboration with Patricia E Green Architects. The project involves an assessment of building material (bricks, rocks, mortar and wood) used during several stages of construction from the 16th century.
3. **Geological Assessment of the Swift River for Hydropower Development**, Genesis Consultants Ltd. (now closed). 2011. Prepared for an overall assessment of the Swift River for hydropower development.
4. **Thin Section Analysis of Selected samples from the Ecclesdown Cores**, Petroleum Corporation of Jamaica. 2010. Prepared for addition to an overall report prepared by Prof. Simon Mitchell.

5. **Project Report for the Canada Fund for Local Initiatives for the UWIGM rejuvenation and modernization project.** 2010. Canadian Agency for International Development.
6. **Project Report for the St. Thomas Aquinas Community Empowerment Project.** 2006. Canadian Agency for International Development.
7. **Draft Report, Dolphin Head Project** 2001. Prepared for Dolphin Head Environment Trust.

OTHER PUBLICATIONS

1. **James-Williamson, Sherene A.** 2014. Town Planning in Falmouth, Jamaica: protecting the historical town as well as planning future development. In “*Changing small island developing states: A space perspective on environmental change in the Caribbean*” Lapon, L and Gaines, S. Eds. UNESCO & Universiteit Gent.
2. **James-Williamson, S.A.** 2013. Geological Provenance Technique Use in Historical Monument Site Preservation for Disaster Preparedness. *UWI Research for Development 2013*, 98-101.
3. **James-Williamson, S.A.** 2013. The UWI Geology Museum (UWIGM). *Mona News* October 2013.
4. **James, S.A.** “*Coral Biodiversity and Zonation on a Pleistocene Reef, Southeastern Jamaica.*” Jamaica Clearing-House Mechanism Article of the Month. Article 22, August 2006.

Posters

1. **James, S.A.** and Mitchell, S.F. 2003. Poster presentation: Incised fan delta deposits, west side of the Port Morant Harbour. Abstract published in Coore, D. and Lancashire, R. (Eds), Proceedings of the Sixth Conference Faculty Pure and Applied Sciences The University of the West Indies Mona March 18-20, 2003, p. 59, The Faculty of Pure and Applied Sciences, Kingston, Jamaica.
2. **James-Williamson, S.A.** 2013. Using geological provenance techniques as a tool for determining provenance of building material and material culture for historical sites and monuments for purposes of disaster preparedness and management and geoconservation. UWI Mona Research Day 2013.