



FACULTY OF SCIENCE AND TECHNOLOGY, UWI

MONTHLY DEPARTMENTAL REPORT TO FST MANAGEMENT COMMITTEE

Department: CHEMISTRY

Report for the Month of: - APRIL 2026

ITEMS

1. Academic Matters (New/Revised Courses and Programmes)

2. Publications

- Journal Articles

Cesa, Mark C., Chiu, Mei-Hung, Forman, Jonathan E., García-Martínez, Javier, Garson, Mary J., Hartshorn, Richard M., Junkers, Tanja, Mahaffy, Peter G., McEwen, Leah, Nakamura, Akiko, Reddy, Daniel O., **Singh-Wilmot**, **Marvadeen A.**, Straut Langlinais, Christine M., Tantayanon, Supawan and Van't Land, Rylee. "IUPAC Launches Guiding Principles of Responsible Chemistry: A Project Milestone for IUPAC" *Chemistry International*, 2026, 48(1), pp. 5-9. <https://doi.org/10.1515/ci-2026-0102>

Marvadeen A. Singh-Wilmot, **Jermaine A. Smith**, Zeyar Min, Christopher H. Hossack, Elizabeth A. Decoteau, Christopher L. Cahill, **Peter N. Nelson**, *New lanthanide coordination polymers (Ln-CPs) from 2-hydroxyterephthalate: Excited-state intramolecular proton transfer (ESIPT) and sensing capabilities*, *Polyhedron*, 2026, 118160, ISSN 0277-5387, <https://doi.org/10.1016/j.poly.2026.118160>. (<https://www.sciencedirect.com/science/article/pii/S0277538726002068>)

3. Special Projects

As part of the Global South Grant, **Dr. Singh-Wilmot** and her graduate student Ms. **Brianna Levy** hosted a workshop for students on X-ray Crystallography on March 31, 2026 entitled: *Crystal Growth for Single-Crystal X-ray Diffraction: Principles, Practice and Research Integration*.

4. **Workshops/Conferences/Seminars/Symposia**

<u>DATE</u>	<u>NAME, TITLE, AFFILIATION</u>	<u>TITLE OF SEMINAR</u>
April 9, 2026	Mr. Theodore Wynter , Graduate student, Department of Chemistry	“Synthesis of pure and adopted silica nanoparticles for the sensing of Imidacloprid”
April 16, 2026	Professor Christopher Cahill , Professor of Chemistry and International Affairs at George Washington University and former Head of its Chemistry Department	“Interesting Science From the Part of the Periodic Table No One Ever Talks About: The F Block”
April 23, 2026	Ms. Pearl Bergan , Graduate student, Department of Chemistry	“Travel, grants, fellowships and conferences: Adventures and Advice from a Chemistry graduate student”

5. **Student Awards (Locally and Internationally)**

6. **Staff Awards (Locally and Internationally)**

7. **Staff Matters (Appointments, Resignations etc.)**

The Department welcomed Mr **Amani Elliott**, Laboratory Technologist, to its permanent staff complement.

8. **Examination Matters**

9. **Research Grants**

10. **Outreach/In-reach Activities**



Dr Marvadeen Singh-Wilmot led the coordination of a public lecture at UWI-Mona by Director General of the United Nations Educational, Scientific and Cultural Organization (UNESCO), Professor Khaled El-Enany, on his official visit to Jamaica on April 2, 2026. Her idea for the signing of a Letter of Intent signalling partnership between UWI and UNESCO was also adopted and executed during the lecture. She was supported by the Office of the Deputy Principal Prof. Marvin Reid. She was also instrumental in deciding on the title for his talk “*Out of Many, One Shared Humanity: UNESCO For the People.*” **Dr Singh-Wilmot** also attended a welcome reception for Prof El-Enany hosted by the Government of Jamaica at Jamaica House on April 2, 2026.

Dr Andrea Goldson-Barnaby conducted an outreach activity with students at the Lister Mair Gilby High School for the Deaf at their Science Club on April 28. The students were engaged in two experiments (Starch Detection in ackees and in cracker crumbs and Vitamin C in Mango juice and a commercial lime juice mix). They were fascinated by the observed colour changes demonstrating starch and ascorbic acid, respectively. Science teacher, Ms Taylor, was empowered to conduct similar experiments with other students, serving to further generate interest in chemistry and science within this community. These carefully selected experiments proved to be great for teaching students about chemical reactions, indicators, and nutrition while keeping them engaged with colourful results.

11. Professional Activities (Appointment to Boards, Civic Duties etc.)

Dr. Debbie-Ann Gordon-Smith has been selected to be a Contributing Author to the *Intergovernmental Panel on Climate Change Seventh Assessment Report - Working Group I* to be published in 2027. The IPCC Working Group I is examining the physical science underpinning past, present, and future climate change.

12. Partnerships

13. ICT Development

14. Visitors

Dr Marvadeen Singh-Wilmot hosted her collaborator, Professor Christopher Cahill and his graduate student Ms. Elizabeth Decoteau, from April 15, 2026 to April 19, 2026. During his visit to the Department, Prof Cahill explored with Dr Singh-Wilmot mechanisms to deepen the relationship between the two research groups and the two chemistry departments and with Elizabeth. He spent time with Brianna Levy and Dr Singh-Wilmot working on solutions to problematic X-ray single crystal data sets. He also met with the HOD Chemistry, Dean FST, Chemistry undergraduate students, including a special 2-hr rap session with finalizing Chemistry majors about graduate studies. Prof Cahill also gave a departmental seminar.



Rap session with finalizing chemistry majors who are interested in graduate studies.



GWU PhD candidate Elizabeth Decoteau (left) working with UWI-Mona MPhil student **Brianna Levy** (right) on solutions to problematic single crystal data sets and accessing X-ray crystallography resources.

15. Other

Dr **Donna Minott Kates** delivered an invited presentation, under the theme “Empowering Excellence: Strengthening the Heartbeat of Administration” on *The Administrator’s Role in Education Policy, Planning and Leadership*, at the FST MAST Workshop: Administrative Essentials 101 for Office Professionals, on April 17, 2026. The workshop was held in-person and also streamed campus-wide.



Donna Minott Kates delivered an invited presentation on *Education Policy, Planning and Leadership* at the FST MAST Workshop