Yassine Ait Mohamed

Curriculum Vitae | November 2025

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Employment

Université de Sherbrooke | Teaching Assistant   2024–present
Département de mathématiques

Education

Université de Sherbrooke | PhD in Mathematics   2024–present
Supervisor: Maxence Mayrand
Université Sidi Mohamed Ben Abdellah | First year in PhD   2022–2023
Doctoral program in Ring Theory
Supervisor: Lahcen Oukhtite
Université Sidi Mohamed Ben Abdellah | Master's Degree   2020–2022
Thesis: *Divisors in Algebraic Geometry, Central Simple Algebras, and Severi-Brauer Varieties*
Supervisor: Karim Mounirh
Université Moulay Ismail, Meknes | BSc in Mathematics   2016–2020
Thesis: *The Spectrum and the Jacobson Radical in a Commutative Ring*
Supervisor: Chahrazade Bakkari

Papers

[1] Ait Mohamed Y., *Generalized homogeneous derivations in graded rings.*
Siberian Mathematical Journal (appearing in 2026, second volume)
arXiv:2412.17187v3
[2] Ait Mohamed Y., *On Graded Rings with Homogeneous Derivations.*
Revista de la Unión Matemática Argentina
https://doi.org/10.33044/revuma.4934

Master's thesis

Divisors in Algebraic Geometry, Central Simple Algebras and Severi-Brauer Varieties
Master's Thesis, Université Sidi Mohamed Ben Abdellah (2022)
PDF available here

Research group

SAG – Algebraic and Geometric Structures

Seminar organization

Organizer of Junior Seminar in Geometry and Mathematical Physics

Scholarships and awards

Université de Sherbrooke

- ISM Doctoral Scholarship   2024–2026

- Guaranteed Doctoral Funding   2024–2028

Morocco

- National Scholarship-Doctoral Degree   2022–2023

- National Scholarship, Master's Degree   2020–2022

- National Scholarship, BSc Degree   2016–2020

Talks

1. *Poisson structures on 1-shifted coisotropics*   November 2025
Séminaire SAG, Université de Sherbrooke
2. *Generalized homogeneous derivations in graded rings*   July 2023
Seminar of Non-commutative Algebra, Laboratory of Modeling and
Mathematical Structures, Faculty of Science and Technology, Fez
3. *On Graded Rings with homogeneous derivations*   April 2023
Seminar of Non-commutative Algebra, Faculty of Science and Technology, Fez
4. *On Graded Rings and derivations*   February 2023
Seminar of Non-commutative Algebra, Faculty of Science and Technology, Fez
5. *On Graded Rings*   January 2023
Seminar of Non-commutative Algebra, Faculty of Science and Technology, Fez
6. *Tensor Algebra and Enveloping Algebra of a Lie Algebra*   December 2021
Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz
7. *On Riemann-Roch Theorem*   November 2021
Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz
8. *Action of a Lie Group on a Smooth Manifold*   February 2021
Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz

Peer Review Activities

Peer Reviewer, Proceedings of the International Geometry Center   August 2025
Peer Reviewer, International Journal of Neutrosophic Science   June 2025
Peer Reviewer, Asian Research Journal of Mathematics   February 2025

Teaching

Université de Sherbrooke

- Elements of Algebra (MAT141)   Fall 2025

- Applied Linear Algebra in Computer Science (MAT199)   Fall 2025

- Linear Algebra (MAT253)   Winter 2025

- Differential and Integral Calculus I (MAT194)   Fall 2024

- Center for Mathematics Help   Fall 2024

Mathematics Tutor   September 2022–present
Algebra, Real and Complex Analysis, and Topology
voscours.fr
Mini School Center, Fez, Morocco   September 2022–November 2023
Olympia Centre Zarhounia, Meknes   September 2018–March 2019
Maxcence Centre, Meknes   September 2017–March 2018