

# Yassine Ait Mohamed

Curriculum Vitae

October 2025

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## Education

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| <b>PhD Student</b> , University of Sherbrooke   | 2024–Present |
| Field: Differential Geometry  |              |
| Supervisor: Maxence Mayrand   |              |
| <b>PhD Student</b> , University of Sidi Mohamed Ben Abdellah  | 2022–2023    |
| Field: Ring Theory  |              |
| <b>Master's Degree</b> , University of Sidi Mohamed Ben Abdellah                                    | 2020–2022    |
| Thesis: <i>Divisors in Algebraic Geometry, Central Simple Algebras, and Severi-Brauer Varieties</i> |              |
| Supervisor: Karim Mounirh   |              |
| <b>Bachelor's Degree</b> , University of Moulay Ismail, Meknes                                      | 2016–2020    |
| Thesis: <i>The Spectrum and the Jacobson Radical in a Commutative Ring</i>                          |              |
| Supervisor: Chahrazade Bakkari  |              |
| <b>High School Diploma</b> in Experimental Sciences   | 2015–2016    |
| High School Boumia, Specialization: Physics and Chemistry   |              |

## Publications

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### Papers

- Ait Mohamed Y., *Generalized homogeneous derivations in graded rings*.
- Ait Mohamed Y., *On Graded Rings with Homogeneous Derivations*, Revista de la Unión Matemática Argentina.

### Thesis

- *Divisors in Algebraic Geometry, Central Simple Algebras and Severi-Brauer Varieties*, Master's Thesis.

## Talks and Presentations

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| <b>Poisson structures on 1-shifted coisotropics</b>  | November 2025 |
| Séminaire SAG, Université de Sherbrooke  |               |
| <b>Generalized homogeneous derivations in graded rings</b>   | July 2023     |
| Seminar of Non-commutative Algebra, Laboratory of Modeling and Mathematical Structures, Faculty of Science and Technology, Fez |               |
| <b>On Graded Rings with homogeneous derivations</b>  | April 2023    |
| Seminar of Non-commutative Algebra, Faculty of Science and Technology, Fez   |               |
| <b>On Graded Rings and derivations</b>   | February 2023 |
| Seminar of Non-commutative Algebra, Faculty of Science and Technology, Fez   |               |
| <b>On Graded Rings</b>   | January 2023  |
| Seminar of Non-commutative Algebra, Faculty of Science and Technology, Fez   |               |
| <b>Tensor Algebra and Enveloping Algebra of a Lie Algebra</b>  | December 2021 |
| Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz  |               |

**On Riemann-Roch Theorem**

Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz

November 2021

**Action of a Lie Group on a Smooth Manifold**

Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz

February 2021

## Teaching Experience

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**Teaching Assistant**, Université de Sherbrooke

August 2025–Present

- Elements of Algebra (MAT141)
- Applied Linear Algebra in Computer Science (MAT199)

**Teaching Assistant**, Université de Sherbrooke

January–April 2025

- Linear Algebra (MAT253)

**Teaching Assistant**, Université de Sherbrooke

August–December 2024

- Differential and Integral Calculus I (MAT194)
- Center for Mathematics Help

**Mathematics Tutor**

September 2022–Present

Algebra, Real and Complex Analysis, and Topology

<https://www.voscours.fr/professeur/yassine-ait-mohamed.htm>**Teaching Assistant**, Mini School Center, Fez, Morocco

September 2022–November 2023

**Teaching Assistant**, Olympia Centre Zarhounia, Meknes

September 2018–March 2019

**Teaching Assistant**, Maxcence Centre, Meknes

September 2017–March 2018

## Peer Review Activities

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**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