

# Yassine Ait Mohamed

Curriculum Vitae | June 2025

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## Education

- 2024 – Present     **PhD Student**, University of Sherbrooke.  
Field: Algebraic and Symplectic Geometry. Under supervision of Dr. Maxence Mayrand.
- 2022 – 2023     **PhD Student**, University of Sidi Mohamed Ben Abdellah.  
Field: Rings theory and homological algebra.
- 2020 – 2022     **Master's Degree**, University of Sidi Mohamed Ben Abdellah.  
Thesis Title: *Divisors in Algebraic Geometry, Central Simple Algebras, and Severi-Brauer Varieties*. Under supervision of Dr. Karim Mounirh.
- 2016 – 2020     **Bachelor's Degree**, University of Moulay Ismail, Meknes.  
Thesis Title: *The Spectrum and the Jacobson Radical in a Commutative Ring*. Under supervision of Dr. Chahrazade Bakkari.
- 2015 – 2016     **High School Diploma in Experimental Sciences**, High School Boumia.  
Specialization: Physics and Chemistry.

## Talks

- July 2023     **Generalized homogeneous derivations of graded rings**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- April 2023     **On Graded Rings with homogeneous derivations**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- February 2023     **On Graded Rings and derivations**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- January 2023     **On Graded Rings**, Seminar of commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- December 2021     **Tensor Algebra and Enveloping Algebra of a Lie Algebra**, Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz.
- November 2021     **On Riemann-Roch Theorem**, Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz.
- February 2021     **Action of a Lie Group on a Smooth Manifold**, Seminar of Geometry and Algebra, Faculty of Science, Dhar El Mahraz.

## Papers

- ✶ Ait Mohamed Y., *Differential structures in graded rings and modules*. **Under review**.
- ✶ Ait Mohamed Y., *Generalized homogeneous derivations in graded ring*. **Under review**.

## Papers (continued)

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- Ait Mohamed Y., *On Graded Rings with Homogeneous Derivations*. *Revista de la Unión Matemática Argentina*.

## Professional Activities

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### Teaching Activities

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| Jan 2025 - April 2025 | ■ <b>Teaching Assistant</b> <i>Linear algebra (MAT253)</i> , Faculty of Sciences, University of Sherbrooke.   |
| Sep 2024 - Dec 2024   | ■ <b>Teaching Assistant</b> <i>Differential and Integral Calculus I (MAT194)</i> , Faculty of Sciences, University of Sherbrooke.   |
|                       | ■ <b>Teaching Assistant</b> <i>Center for Mathematics Help</i> , Faculty of Sciences, University of Sherbrooke.   |
| Sep 2022 - June 2024  | ■ <b>Mathematics Tutor</b> <i>Algebra, Real and Complex Analysis, and Topology</i> .<br><a href="https://www.voscours.fr/professeur/yassine-ait-mohamed.htm">https://www.voscours.fr/professeur/yassine-ait-mohamed.htm</a> |
| Sep 2022 - Nov 2023   | ■ <b>Mathematics Tutor</b> <i>High School Lessons</i> , Mini School Center, Fez, Morocco.   |
| Sep 2018 - Mar 2019   | ■ <b>Mathematics Tutor</b> <i>Secondary School Lessons</i> , Olympia Centre Zarhounia, Meknes, Morocco.   |
| Sep 2017 - Mar 2018   | ■ <b>Mathematics Tutor</b> <i>Secondary School Lessons</i> , Maxcence Centre, Meknes, Morocco.  |

### Peer Review Activities:

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| Feb 2025  | ■ <b>Peer Reviewer</b> <i>Asian Research Journal of Mathematics</i> . Recipient of Certificate of Excellence in Reviewing.         |
| June 2025 | ■ <b>Peer Reviewer</b> <i>International Journal of Neutrosophic Science</i> . Recipient of Certificate of Excellence in Reviewing. |