

# Yassine Ait Mohamed

Curriculum Vitae | August 2025

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## Education

- 2024 – Present     **PhD Student**, University of Sherbrooke.  
Field: Differential geometry. Under supervision of Pr. Maxence Mayrand.
- 2022 – 2023     **PhD Student**, University of Sidi Mohamed Ben Abdellah.  
Field: Rings theory.
- 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 Pr. 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 in 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 and Thesis

### Papers

- Ait Mohamed Y.**, *Differential structures in graded rings and modules*.
- Ait Mohamed Y.**, *Generalized homogeneous derivations in graded ring* [10.48550/arXiv.2412.17187](https://arxiv.org/abs/10.48550/arXiv.2412.17187).

## Papers and Thesis (continued)

- Ait Mohamed Y., *On Graded Rings with Homogeneous Derivations*. *Revista de la Unión Matemática Argentina* [10.33044/revuma.4934](https://doi.org/10.33044/revuma.4934).

### Thesis

- *Divisors in Algebraic Geometry, Central Simple Algebras and Severi-Brauer Varieties* [10.13140/RG.2.2.25220.64645](https://doi.org/10.13140/RG.2.2.25220.64645).

## Professional Activities

### Teaching Activities

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| Aug 2025 - Today      | ■ <b>Teaching Assistant</b> <i>Elements of Algebra (MAT141)</i> , Faculty of Sciences, University of Sherbrooke.  |
| Jan 2025 - April 2025 | ■ <b>Teaching Assistant</b> <i>Applied Linear Algebra in Computer Science (MAT199)</i> , Faculty of Sciences, University of Sherbrooke.   |
|                       | ■ <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> .  |
| August 2025 | ■ <b>Peer Reviewer</b> <i>Proceedings of the International Geometry Center</i> .   |