

CURRICULUM VITAE ET STUDIORUM

PERSONAL INFORMATION:

- Name: Hongmiao
- Surname: Yu
- Date of birth:
- Place of birth: Beijing, China
- E-mail:

EMPLOYMENT:

- 05/2022- 05/2023: *Postdoctoral Fellow*, Università degli Studi di Genova, Genoa, Italy.

EDUCATION:

- 11/2018- 01/2022: *PhD in Mathematics*, Università degli Studi di Genova, Genoa, Italy. Thesis title: *Liaison by Quasi-Gorenstein Ideals and N-fiber-full modules*. Advisor: Prof. Matteo Varbaro.
- 09/2015-07/2018: *Master in Mathematics*, Università degli Studi di Genova, Genoa, Italy. Thesis title: *Liaison and Duality*. Thesis supervisor: Prof. Matteo Varbaro.
- 09/2013-03/2016: *Bachelor in Mathematics*, Università degli Studi di Genova, Genoa, Italy. Thesis title: *Axiom of choice and some of its equivalent formulations*. Thesis supervisor: Prof. Ada Aruffo.
- 09/2006-07/2010: *Bachelor in Mathematics and Applications*, Beijing Forest University, Beijing, China

PUBLICATIONS:

- *N-fiber-full modules*. Journal of Pure and Applied algebra, 226 (2022).

PREPRINTS:

- *Liaison by quasi-Gorenstein ideals: the topological Lefschetz duality in commutative algebra*. (joint work with Matteo Varbaro)

INVITED TALKS:

- May 27, 2022: Università di Padova. Talk entitled: *N-fiber-full modules*, at the conference: 100 years of the Unione Matematica Italiana and 800 years of the University of Padova.
- November 10, 2021: Università degli Studi di Genova. Talk entitled: *N-fiber-full modules*.

CONFERENCES/WORKSHOPS/SUMMER SCHOOLS ATTENDED:

- June 3-14, 2019: *MSRI Graduate Summer School and Macaulay2 Workshop*. - University of Notre Dame.
- July 1-5, 2019: *CIME-CIRM Course on Recent Developments in Commutative Algebra*. - Levico Terme.

- September 11-13, 2019: *Algebraic Combinatorics in Genova*. - Università degli Studi di Genova.
- September 26-27, 2019: *GTM seminar*. - Università degli Studi di Genova.
- November 8, 2019: *MYR seminar*. - Università degli Studi di Genova.
- September 30 - October 01, 2021: *Genova-Torino-Milano Seminar: some topics in Commutative Algebra and Algebraic Geometry*. - Università degli Studi di Torino.
- May 25-27, 2022: *100 years of the Unione Matematica Italiana and 800 years of the University of Padova*. - Università di Padova.
- June 13-17, 2022: *75+80=155 years of commutative algebra*. - Osnabrück University.

VISITS:

- 02/2020- 06/2020, visit professor Srikanth B. Iyengar: Department of Mathematics of the University of Utah, Salt Lake City (UT), USA.

OTHERS:

- “Supporto alla didattica” for the course *Analisi matematica 1*: Department of Civil, Chemical and Environmental Engineering, Università degli Studi di Genova. 10 hours.