

Curriculum Vitae

Dr. Georgios Dalezios

Nationality: Greek

Place and date of birth: Athens, 19 April 1990

Contact: gdalezios@math.uoa.gr | +30 6978601230

Address: Vicolo Chiodo 2, 37121, Verona

Website: <https://sites.google.com/view/georgiosdalezios>

ORCID: 0000-0003-3334-8970

Current position

- 01/03/2025–
- Postdoctoral researcher (RtdA), Dipartimento di Informatica - Università di Verona.

Previous positions

- 6/10/2023–
28/2/2025
- Postdoctoral researcher, Aristotle University of Thessaloniki, Greece.
Support: National Recovery and Resilience Plan “Greece 2.0” funded by the European Union – NextGenerationEU (H.F.R.I. Project Number: 76590).
- 1/7/2022–
3/3/2023
- Postdoctoral researcher, Institute of Algebra and Number Theory, University of Stuttgart, Germany.
Support: DAAD, Research Grants - Short-Term Grants, 2022 (57588366). Personal ref. no. 91826930.
- 2/2/2022–
30/9/2022
- Teaching position, Department of Mathematics, National and Kapodistrian University of Athens, Greece. Full lecturer in two undergraduate courses: (1) Foundations of Algebra and Geometry, (2) Homological Algebra and Categories.
Support: co-financed by Greece and the European Union (European Social Fund-ESF) in the context of the project “Academic experience for young researchers”, 2021–2022 (MIS-5131398).
- 16/11/2019–
15/11/2021
- Postdoctoral researcher, Department of Mathematics, National and Kapodistrian University of Athens, Greece.
Support: co-financed by Greece and the European Union (European Social Fund-ESF) in the context of the project “Reinforcement of Postdoctoral Researchers - 2nd Cycle” (MIS-5033021).

Studies

- 2016–2019
- PhD in Mathematics, University of Copenhagen, Denmark & University of Murcia, Spain (jointly).
Supervisors: Henrik Holm (Copenhagen) and Sergio Estrada (Murcia).

Thesis: *Relative homological algebra and exact model structures.*

Online link: <http://web.math.ku.dk/noter/filer/phd19gd.pdf>

2013–2015

- MSc in Mathematics, University of Copenhagen, Denmark.

2008–2013

- BSc in Mathematics, University of Patras, Greece.

Research Interests

- Homological Algebra, Triangulated Categories
- Representation theory of finite dimensional algebras
- Gorenstein rings, Cohen-Macaulay modules
- Homotopical Algebra, Model Categories

Publications

7. G. Dalezios and J. Šťovíček, *Linear Reedy categories, quasi-hereditary algebras and model structures*, Adv. Math. 481 (2025), paper no. 110550, 58pp
6. G. Dalezios and I. Emmanouil, *Homological dimension based on a class of Gorenstein flat modules*, Comptes Rendus - Série Mathématique, **361** (2023), pp. 1429-1448.
5. G. Dalezios and C. Psaroudakis, *Lifting recollements of abelian categories and model structures*, Journal of Algebra 623 (2023), 395-446.
4. G. Dalezios, *On singular equivalences of Morita type with level and Gorenstein algebras*, Bulletin of the London Mathematical Society, **53** (2021), no. 4, 1093-1106.
3. G. Dalezios, *Abelian model structures on categories of quiver representations*, Journal of Algebra and its Applications **19** (2020), no.10 2050195, 14p.
2. G. Dalezios, *A note on homotopy categories of FP-injectives*, Homology Homotopy and Applications **21** (2019), no.1, 95-105.
1. G. Dalezios, S. Estrada, and H. Holm, *Quillen equivalences for stable categories*, Journal of Algebra **501** (2018), 130-149.

Preprints

- A (with. T. Conde and S. Koenig) *Triangular decompositions: Reedy algebras and quasi-hereditary algebras*. Link: <https://arxiv.org/abs/2411.12912>

Talks

SELECTED SEMINAR AND COLLOQUIUM TALKS

- July 2025 - *Derivators associated to Hovey triples*, Stuttgart, Germany.
- July 2025 - *Quasi-hereditary algebras arising from Reedy categories*, Bielefeld, Germany.
- October 2024 - *On a class of quasi-hereditary algebras arising from Reedy categories* (online), Verona, Italy.
- Dec 2023 - *Reedy algebras*, Algebra and Geometry Day at Thessaloniki (21/12/2023), Greece.
- Nov 2023 - *Stable and singular equivalences of finite dimensional algebras*, G.A.N.T seminar (online), Greece.
- July 2022 - *Induced abelian model structures on functor categories*, Stuttgart, Germany.
- Jan 2022 - *Linear Reedy categories and abelian model structures*, Prague, Czech Republic.
- Feb 2021 - *Singular equivalences over Gorenstein rings* (online), Aberdeen Algebra Seminar, UK.
- Dec 2020 - *Gorenstein algebras, Cohen-Macaulay modules, and singularity categories* (6 lectures), Athens, Greece.
- Nov 2018 - *A survey of Gorenstein homological algebra*, Prague, Czech Republic.
- Jan 2016 - *Dualizing complexes over noetherian rings*, Murcia, Spain.

Participation in conferences and workshops

CONFERENCES

- Sep. 2022 - *Representation Theory and Triangulated Categories*, Paderborn, Germany.
- July 2022 - *Second Congress of Greek Mathematicians, SCGM-2022*, Athens, Greece.
- Oct. 2021 - *Homological Methods in Representation Theory*, Fraueninsel (Chiemsee), Abtei Frauenwörth, Germany.
- Nov. 2020 - *19th International Conference on Representations of Algebras (ICRA 2020)*, online.
- Aug. 2018 - *18th International Conference on Representations of Algebras (ICRA 2018)*, Prague, Czech Republic.
- May 2017 - *Idun 75: Representation theory of Artin algebras conference*, NTNU, Trondheim, Norway.
- Apr. 2017 - *Maurice Auslander Distinguished Lectures and International Conference*, Woods Hole Oceanographic Institute, MA, USA.

Languages

- Greek (Native), English (C2), French (C1), Spanish (B1).