

Curriculum vitæ

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Born: 23/04/1981, (Istanbul)

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Education

- 2011 PhD. Mathematics, University Paris-Diderot Paris 7 (01.12.2011) (*mention très honorable*)
- 2006 Master in Mathematical Logic and Fundamentals of Informatics, University Paris-Diderot Paris 7
- 2004 Bachelor (BS) in Mathematics, University Joseph Fourier, Grenoble 1
- 2000 Galatasaray Lisesi - Lycée Galatasaray (Turkish and French), Istanbul.

Professional Experience

- 10.2016-04.2019 Research Associate, Westfälische Wilhelms-University Münster
- 02.2012-12.2016 Assistant Professor, Mimar Sinan University of Fine Arts (MSGSÜ), Istanbul
- 02.2011-02.2012 Lecturer, MSGSÜ, Istanbul
- 09.2009-09.2010 Research Associate and Lecturer (ATER), University Paris 7
- 09.2006-09.2009 Research Assistant, University Paris 7
- 09.2006-09.2009 Teaching Assistant, University Paris 12

Publications-Preprints

(reversely ordered by submission dates)

- 2018 *Valued modules over skew polynomial rings II*, arXiv:1812.07333
<https://arxiv.org/abs/1812.07333>
- 2018 $\mathbb{F}_p((X))$ is decidable as a module over the additive polynomials, arXiv:1806.03123
<https://arxiv.org/abs/1806.03123>

- 2017 *Fields with automorphism and valuation*, with O. Beyarslan, D.Hoffman, D.Pierce arXiv:1710.071
<https://arxiv.org/abs/1806.03123>
- 2013 *Quantifier elimination for valued fields equipped with an automorphism*, *Selecta Math.* (N.S.)
 21 (2015), no. 4, 1177–1201.
<https://link.springer.com/article/10.1007%2Fs00029-015-0183-0>
- 2013 *Valued modules over skew polynomial rings I*, *J. Symb. Log.* 82 (2017), no. 4, 1519–1540.
<https://doi.org/10.1017/jsl.2017.72>

in Preparation :

- *C-minimal modules over skew polynomial rings*
- *Valued difference fields in positive characteristic* (with M.Hils)

Invited Talks in Conferences/Seminars (a selection)

- 2019 TBA, *Model Theory of Valued Fields and Applications* Münster, June 2019
- 2018 Additive reducts of valued difference fields in *Trimester Model Theory, Combinatorics and valued fields* Institut Henri Poincaré, Paris February 2018
- 2016 On the module theory of $\mathbb{F}_p((t))$, in *Théorie des modèles des corps: dérivations, ordres et valuations*, Paris 7, June 2016
- 2016 Quantifier elimination and Kapranov’s theorem, in *Algebra, Geometry and Topology of Singularities*, University Galatasaray, May 2016
- 2013 Quantifier elimination for valued difference fields, *Séminaire de groupes et théorie des modèles*, Paris 7, September 2013
- 2010 Linear Hensel’s property, in *ASL European Summer Meeting*, Paris, July 2010

Organization of scientific events

- 2018 Regional Days in Model Theory and Applications III, Münster, Germany
<https://rdmta3com.wordpress.com>
- 2014 Summer School in Valuation Theory, Sirince, Izmir, Turkey
<https://valuationtheory.wordpress.com>
- 2010 Antalya Algebra Days, Antalya, Turkey
<http://mat.msgsu.edu.tr/~aad/index.shtml>

Teaching Experience (a selection)

2010-2016 AS PROFESSOR IN MIMAR SINAN FINE ARTS UNIVERSITY:

- Topology (Graduate) • Abstract Mathematics and Logic • Number Theory • Linear Algebra • Graph Theory • Combinatorics • Metric spaces • Measure and Integration Theory • Calculus 2

2006-2010 AS TEACHING ASSISTANT AT PARIS 7 AND PARIS 12:

- Calculus 1-2 • Linear Algebra 1-2 • Differential Calculus

2018 Fall AS TEACHING ASSISTANT AT MÜNSTER UNIVERSITY:

- Vertiefung Modelltheorie (Graduate)

Teaching material available at <https://onayg.wordpress.com/teaching/>

Supervision of graduate students

2016 Cemil Ulay (Master), *Stratifications in valued fields*

2015 Ali Onur Çicek (Master), *Elimination of Imaginaries in ACF and ACVF*
<https://goo.gl/SJUpMB>

Language Skills

Turkish *mother tongue*
French *excellent*
English *very good*
German *intermediate* (B1)

Awards-Grants

2015-2018 TÜBİTAK 1001 research grant with Dr. Randriambololona

2015 Dec TÜBİTAK publication award for [DOI:10.1007/s00029-015-0183-0](https://doi.org/10.1007/s00029-015-0183-0)

2006-2009 *Allocations de Recherche* French Minister of higher education

Other

- Proficiency in $\text{\LaTeX}$, some experience in **C**, **CAML**, **SQL**.
- Amateur basketball trainer for kids.