

# CURRICULUM VITAE, KRISTINA KISLYAKOVA

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## I. Personal Data

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Occupation: Senior Scientist, deputy head of the [Star and Planet formation group](#)

Place of Birth: Gorky (Nizhny Novgorod), USSR (Russia)

Marital status: Married

## II. Publications

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ORCID ID: <https://orcid.org/0000-0003-4680-6774>

## III. Education

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2014: PhD 2 (Dr. rer. nat.) with summa cum laude, University of Graz, Austria (February 28, 2014)

2012: PhD 1 (Candidate of physico-mathematical sciences), N.I. Lobachevsky State University of Nizhny Novgorod, Russia (March 14, 2012)

2009: Diploma thesis with honours, N.I. Lobachevsky State University of Nizhny Novgorod, Russia

2004–2009: Studies of physics and engineering, N.I. Lobachevsky State University of Nizhny Novgorod, Russia

## IV. Professional History

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2020– Senior Scientist, Department of Astrophysics, University of Vienna, Austria (2021: maternity leave)

2017–2020 Postdoctoral researcher, Department of Astrophysics, University of Vienna, Austria

2012–2016: Postdoctoral researcher, Space Research Institute, Austrian Academy of Sciences, Graz, Austria

2009–2012: Junior Research Scientist, Institute of Applied Physics, Russian Academy of Sciences, Nizhny Novgorod, Russia

2008–2010: Engineer, "Vremya-Ch" JS company, Nizhny Novgorod, Russia

## V. Main areas of research

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- Planetary atmospheres and evolution • Star-planet interactions
- Magnetospheric physics • Transit observations and data processing

## **VI. Major scientific findings**

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- An indirect method that can be used to estimate magnetic moments of exoplanets based on their Lyman- $\alpha$  transit observations (Kislyakova et al., Science, 2014)
- Electromagnetic induction heating as an internal heating source inside exoplanets orbiting active stars: an energy source for the first time considered for rocky exoplanets (Kislyakova et al., Nature Astronomy, 2017)

## **VII. Summary of Professional Achievements**

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- **65** refereed articles in professional journals, with **12** as a first author, **3800** citations, H-index **33** (according to Google Scholar, May 2023).
- **13** articles in books + **40** articles in conf. proc. and other non-refereed publications
- **46** conference review talks + **10** invited talks and seminars
- Member of **4** Local Organizing Committees for professional conferences, including General Assembly of the IAU 2018
- Member of Science Organizing Committee of IAUS S370 "Winds of Stars and Exoplanets"
- Member of PLATO, SMILE, and Ariel consortia

## **VIII. Teaching experience**

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- Lectures & Exercises in Planets and Exoplanets (2022, 2023)
- Lectures in Numerical Astrophysics (Master, 2017, 2019)
- Exercises in Quantum mechanics (2022, 2023)
- Exercises in Astrophysics 1 (Bachelor, 2018, 2019)
- Organizing seminars for students: Bachelor seminar (2019), Seminar for current astrophysical research (Master, starting from 2017), Habitability seminar (Master, starting from 2017)
- Supervising Bachelor, Master and PhD students at the University of Vienna