

# CURRICULUM VITAE

SONJA ŽUNAR KOŽIĆ

## General Information

Birth name: Sonja Žunar  
Birthdate: February 20, 1991  
Birthplace: Varaždin, Croatia  
Nationality: Croatian

## Academic Degrees

Ph.D. 2018 Zagreb, Croatia  
M.Sc. 2014 Zagreb, Croatia  
B.Sc. 2012 Zagreb, Croatia

## Ph.D. Advisor

Goran Muić

## Specialization

Automorphic forms and representation theory

## Academic Positions

2022– Assistant professor, Faculty of Geodesy, University of Zagreb  
2019–2022 Postdoctoral researcher, Department of Mathematics, University of Zagreb  
2015–2019 Assistant, Department of Mathematics, University of Zagreb

## Papers

1. Žunar, S.: On the non-vanishing of Poincaré series on irreducible bounded symmetric domains. *Int. J. Number Theory* **21**(10), 2255–2280 (2025)  
DOI: <https://doi.org/10.1142/S1793042125501106>

2. Žunar, S.: Orthogonality relations for Poincaré series. *Math. Commun.* **30**(2) (2025)  
DOI: <https://doi.org/10.64785/mc.30.2.1>
3. Žunar, S.: Construction and non-vanishing of a family of vector-valued Siegel Poincaré series. *J. Number Theory* **268**, 95–123 (2025)  
DOI: <https://doi.org/10.1016/j.jnt.2024.09.007>
4. Grobner, H., Žunar, S.: On the notion of the parabolic and the cuspidal support of smooth-automorphic forms and smooth-automorphic representations. *Monatsh. Math.* **204**, 455–500 (2024)  
DOI: <https://doi.org/10.1007/s00605-024-01965-z>
5. Žunar, S.: On a family of Siegel Poincaré series. *Int. J. Number Theory* **19**(9), 2215–2239 (2023)  
DOI: <https://doi.org/10.1142/S1793042123501087>
6. Žunar, S.: Non-vanishing of vector-valued Poincaré series. *J. Number Theory* **224**, 217–242 (2021)  
DOI: <https://doi.org/10.1016/j.jnt.2021.01.007>
7. Muić, G., Žunar, S.: On the Schwartz space  $\mathcal{S}(G(k)\backslash G(\mathbb{A}))$ . *Monatsh. Math.* **192**(3), 677–720 (2020)  
DOI: <https://doi.org/10.1007/s00605-020-01407-6>
8. Žunar, S.: On the non-vanishing of  $L$ -functions associated to cusp forms of half-integral weight. *Ramanujan J.* **51**, 455–477 (2020)  
DOI: <https://doi.org/10.1007/s11139-019-00135-2>
9. Žunar, S.: On Poincaré series of half-integral weight. *Glas. Mat.* **53**(2), 239–264 (2018)  
DOI: <https://doi.org/10.3336/gm.53.2.03>
10. Žunar, S.: On the non-vanishing of Poincaré series on the metaplectic group. *Manuscripta Math.* **158**(1–2), 1–19 (2019)  
DOI: <https://doi.org/10.1007/s00229-018-1011-6>

## Chapters

1. Žunar, S.: A note on the non-vanishing of Poincaré series. In: *Women in numbers Europe IV—research directions in number theory*, Assoc. Women Math. Ser. **32**, Springer, Cham, 353–369 (2024)  
DOI: [https://doi.org/10.1007/978-3-031-52163-8\\_12](https://doi.org/10.1007/978-3-031-52163-8_12)

## Talks

1. November 2025, workshop “Representation Theory of p-adic Groups”, Department of Mathematics, University of Zagreb, Croatia
2. November 2025, Seminar “Algebra and Number Theory”, Faculty of Mathematics, University of Vienna, Austria

3. September 2025, workshop “Eisenstein Series, Spaces of Automorphic Forms, and Applications”, Erwin Schrödinger International Institute for Mathematics and Physics (ESI), Vienna, Austria (invited speaker)
4. July 2024, 8th Croatian Mathematical Congress, School of Applied Mathematics and Informatics, Josip Juraj Strossmayer University of Osijek, Croatia
5. June 2024, The Quest for the Hidden Simplicity of Noncommutative Harmonic Analysis and Representation Theory—a conference celebrating the 70th birthday of Marko Tadić and the collocated initial workshop of the SMART-Langlands research project no. HRZZ-IP-2022-10-4615 supported by the Croatian Science Foundation. Department of Mathematics, University of Zagreb, Croatia
6. October 2023, Seminar “Representation Theory and Automorphic Forms”, Faculty of Mathematics, University of Vienna, Austria
7. October 2022, Representation Theory XVII, Inter-University Centre Dubrovnik, Dubrovnik, Croatia (invited speaker)
8. September 2022, Automorphic Forms Conference, Erdős Center, Budapest, Hungary
9. August 2022, ELAZ 2022 (Elementare und analytische Zahlentheorie), Faculty of Mathematics and Computer Science, Adam Mickiewicz University, Poznań, Poland
10. June 2022, Workshop on “Arthur packets and related problems”, Department of Mathematics, University of Zagreb, Croatia
11. June 2022, 7th Croatian Mathematical Congress (CroMC), Faculty of Science, University of Split, Croatia
12. April 2022, workshop “Minimal Representations and Theta Correspondence”, Erwin Schrödinger International Institute for Mathematics and Physics (ESI), Vienna, Austria (invited speaker)
13. March 2022, conference “Young Scholars in the Analytic Theory of Numbers and Automorphic Forms” (FANTASY 2022), Mathematical Institute, University of Bonn, Germany (invited speaker)
14. September 2021, conference “Women in automorphic forms”, Bielefeld University, Bielefeld, Germany
15. March 2020, Seminar “Representation Theory and Automorphic Forms”, Faculty of Mathematics, University of Vienna, Vienna, Austria
16. June 2019, conference “Representation Theory XVI”, Inter-University Centre Dubrovnik, Dubrovnik, Croatia
17. May 2019, Number Theory Seminar, Faculty of Mathematics, University of Vienna, Vienna, Austria
18. March 2019, conference “The 33rd Automorphic Forms Workshop”, Duquesne University, Pittsburgh, USA
19. May 2018, workshop “On some recent developments in local and global representation theory”, University of Zagreb, Zagreb, Croatia.

### Professional Experience

1. October 2023, Faculty of Mathematics, University of Vienna, Vienna, Austria

2. September 2023, conference “Modular curves and Galois representations”, Zagreb, Croatia
3. January–March 2020, senior research fellow, Faculty of Mathematics, University of Vienna, Vienna, Austria
4. November 2018, conference “Arithmetic and L-Functions”, Besançon, France
5. November 2016, conference “Representation Theory of Finite and  $p$ -adic Groups of Lie Type”, CIRM, Marseille Luminy, France
6. May 2016, research school “Introduction to Relative Aspects in Representation Theory, Langlands Functoriality and Automorphic Forms”, CIRM, Marseille Luminy, France.

### **Organizing conferences**

1. 17–21 November 2025, workshop “Representation Theory of  $p$ -adic Groups” (organizers: B. Bošnjak, N. Grbac, and S. Žunar Kožić), Department of Mathematics, University of Zagreb, Croatia.