

## Personal details

-  Virna Kisiček
-  May 28, 1996
-  Rijeka
-  B
-  Female
-  Croatian
-  [orcid.org/0000-0002-1234-3225](https://orcid.org/0000-0002-1234-3225)
-  CroRis ID: 35491
-  Scientific Personal Identification Number: 379086

## Languages

- Croatian 
- English 
- Italian 

## Digital skills

- MS Office package 
- Windows, Linux, MacOS 
- LaTeX 
- MATLAB 
- OriginLab, Sigmaplot, QtiPlot 
- Python 
- Wolfram Mathematica 
- C++ 
- SolidWorks 

# Virna Kisiček

Curriculum vitae

## Education

- PhD student** 2019 - Present  
Faculty of Physics, University of Rijeka, Rijeka, Croatia
- Diploma (MSc) in Physics, mag.phys.** 2017 - 2019  
Faculty of Physics, University of Rijeka, Rijeka, Croatia  
Master thesis: Photocatalytic properties of zinc oxide thin films synthesized on porous structures by atomic layer deposition; Advisor: assoc. prof. dr. sc. Aleš Omerzu
- Diploma (BSc) in Physics, bacc. phys.** 2014 - 2017  
Faculty of Physics, University of Rijeka, Rijeka, Croatia  
Bachelor thesis: Scanning electron microscope in analysis of thin films in cross-section; Advisor: doc. dr. sc. Ivna Kavre Piltaver
- High School** 2010 - 2014  
General-education high school, Buzet, Croatia

## Employment

- Research Assistant** 2019 - 2024  
Institute of Physics, Zagreb, Croatia
- Student teaching assistant** 2018 - 2019  
Faculty of Informatics and Department of Polytechnics, University of Rijeka, Rijeka, Croatia  
Courses: General Physics I & II, Basic physics for technics I & II

## Professional trainings, schools and workshops

- International School and Workshop on Electronic Crystals ECRYS-2022** Aug 2022  
Institut d'Etudes Scientifiques de Cargèse, Corse, France  
8.8.2022. - 20.8.2022.
- Terahertz spectroscopy in transmission** Dec 2021  
Ultrafast phenomena in Condensed Matter group, Johannes Gutenberg – University Mainz, Institute of Physics, Germany  
Erasmus + student mobility for traineeships; 4.12.2021. - 18.12.2021.
- Terahertz spectroscopy in reflection, implementation of new ultrabroadband THz- IR detection** Oct 2021 - Dec 2021  
Ultrashort pulse spectroscopy and terahertz physics group, Department of Physics Goethe University Frankfurt, Germany

Last update: 1st April 2024.

## Memberships

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- Croatian Vacuum Society
- Alumni club Faculty of Physics  
University of Rijeka

## Awards and certificates

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- Award for the best poster presentation at the ECRYS 2022 - International School and Workshop on Electronic Crystals
- Award for the best poster presentation in the field of multiferroics and related materials at the SCES 2020/2021 – International Conference on Strongly Correlated Electron Systems
- Diploma Magna Cum Laude baccalaureus, Faculty of Physics, University of Rijeka, 2017.
- Diploma Summa Cum Laude, Faculty of Physics, University of Rijeka, 2020.

Erasmus + student mobility for traineeships; 18.10.2021. - 4.12.2021.

**COST action MAGNETOFON 3rd Summer** **Oct 2021**  
**School: "Ultrafast magneto-electrics"**  
Department of Physics, Faculty of Science, University of Zagreb, Samobor, Croatia  
5.10.2021. - 8.10.2021.

**5th Grandmaster Early – Career Workshop in Physics** **Sep 2020**  
Department of dielectrics, Institute of physics of the Czech Academy of Sciences  
6.9.2020. - 11.9.2020.

**Training on THz spectroscopy and femtosecond time resolved spectroscopy** **Feb 2020**  
Ultrafast phenomena in Condensed Matter group, Johannes Gutenberg – University Mainz, Institute of Physics, Germany  
15.2.2020. - 29.2.2020.

**Atomic Layer Deposition Workshop: Fundamentals and applications** **Sep 2017**  
Faculty of Physics, University of Rijeka, Rijeka, Croatia  
21.9.2017. - 22.9.2017.

## Conferences, talks and poster presentations

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**29th International Scientific Meeting on Vacuum Science and Technique (29-ISMVST), invited talk** **May 2023**  
Slovenian society for vacuum technique, Ljubljana, Slovenia  
10.5.2023. - 12.5.2023.

**International School and Workshop on Electronic Crystals ECRYS-2022, poster presentation** **Aug 2022**  
Institut d'Etudes Scientifiques de Cargèse, Corse, France  
8.8.2022. - 20.8.2022.

**28th International Scientific Meeting on Vacuum Science and Technique (28-ISMVST), poster presentation** **May 2022**  
Croatian Vacuum Society and Slovenian Society for Vacuum Technique Selce, Croatia  
18.5.2022. - 20.5.2022.

**COST action MAGNETOFON 3rd Summer** **Oct 2021**  
**School: "Ultrafast magneto-electrics", poster presentation**  
Department of Physics, Faculty of Science, University of Zagreb Samobor, Croatia  
5.10.2021. - 8.10.2021.

**International conference on strongly correlated electron systems (SCES), poster and oral presentation** **Sep 2021**

University of Michigan, USA Guarujá – SP – Brazil, online conference  
27.9.2021. - 2.10.2021.

**6th Central and Eastern European  
Conference on Thermal Analysis and  
Calorimetry (CEECTAC6) and 15th  
Mediterranean Conference on Calorimetry  
and Thermal Analysis (Medicta2021),  
poster presentation**

**Jul 2021**

University of Split, Faculty of Chemistry and Technology and Institute of  
Physical Chemistry "Ilie Murgulescu", University of Craiova, Split, Croatia  
20.7.2021. - 24.7.2021.

**Solid-State Science & Research 2021  
conference (online), poster presentation**

**Jun 2021**

Ruđer Bošković Institute Zagreb, Croatia  
10.6.2021. - 11.6.2021.

**QUOROM-4 (Quantum Oxide Research  
Online Meeting)**

**Jun 2021**

University of Belfast, North Ireland  
24.6.2021.

**5th Grandmaster Early – Career Workshop  
in Physics, oral presentation**

**Sep 2020**

Department of dielectrics Institute of physics of the Czech Academy of  
Sciences, Prague, Czech Republic  
6.9.2020. - 11.9.2020.

**Nonequilibrium Dynamics in Correlated  
Systems and Quantum materials  
conference**

**Dec 2019**

Jožef Stefan Institute, Krvavec (Ljubljana), Slovenia  
16.12.2019. - 18.12.2019.

## Publications

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- V. Kisiček, D. Dominko, M. Čulo, Ž. Rapljenović, M. Kuveždić, M. Dragičević, H. Berger, X. Rocquefelte, M. Herak and T. Ivek, Spin-Reorientation-Driven Linear Magnetoelectric Effect in Topological Antiferromagnet Cu<sub>3</sub>TeO<sub>6</sub>, Physical Review Letters 132, 096701 (2024)
- Ž. Rapljenović, N. Novosel, D. Dominko, V. Kisiček et al., Persisting correlation between electrical transport and magnetic dynamics in M-type hexaferrites, Journal of Alloys and Compounds, 895 (2021), 162660

## Past research and projects

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**Collective Dynamics in Magnetoelectrics  
(CoDynaMo), research project**

**Oct 2019 - Apr 2024**

Institute of Physics Zagreb

Funding: HRZZ IP-2018-01-2730

**Young Researchers' Career Development Project - Training New Doctoral Students, Professional Project** **Oct 2019 - Apr 2024**  
[Croatian Science Foundation](#)  
Funding: HRZZ DOK-09-2018

**Group for Applied ultrafast Spectroscopy and Photochemical Identification** **Oct 2021 - Apr 2024**  
[Institute of Physics Zagreb, Centre for Advanced Laser Techniques](#)

**Resonant inelastic x-ray scattering project on SEXTANS beamline experiment, proposal no. 20220472** **Oct 2022**  
[French national synchrotron facility, Synchrotron SOLEIL, France](#)  
Main proposer; „Magnetic field induced ferroelectricity in Cu<sub>3</sub>TeO<sub>6</sub> investigated by RIXS on copper and oxygen transitions“; 11.10.2022. - 17.10.2022.

**The star is born** **Jan 2020 - Dec 2022**  
[Ministry of Science and Education](#)

**Resonant inelastic x-ray scattering project on SEXTANS beamline experiment, proposal no. 20210217** **Sep 2021**  
[French national synchrotron facility, Synchrotron SOLEIL, France](#)  
Co-proposer; „Origin of the low-energy d-d transition in M-type hexaferrites“; 12.9.2021. - 20.9.2021.

## Science popularization activities

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- Educator - "Otvoreni dan Instituta za fiziku", 2.6.2023., Zagreb
- Oral presentation - „Igre Huma 2022“, topic: Magnetoelctris, 2. – 3. 9. 2022. ,Hum
- Educator - "Festival znanosti", Technical museum Nikola Tesla, 2. - 7.5.2022., Zagreb
- Educator - "Znanstveni piknik", Gornja Stubica, 24. - 25.9.2021.
- Educator - "Festival znanosti", Technical museum Nikola Tesla, 12.5.2021., Zagreb
- Educator - "Otvoreni dan Sveučilišnih Odjela", Rijeka, 9.4.2019.
- Educator - "Baltazar na Gradini", Rijeka, 2.9.2018.
- Volunteer - "Otvoreni dan Sveučilišnih odjela", 17.4.2018.
- Volunteer - "4. Riječka škola fizike", 22. - 23.3.2016.