



# Curriculum Vitae

## HRZZ Form

### PERSONAL INFORMATION

Name and surname **Dijana Žilić**  
 Academic title Ph.D. (Dr.)  
 Year and institution of PhD obtained 2008, Faculty of Science-Department of Physics, University of Zagreb  
 Address Ruđer Bošković Institute (RBI)  
 Division of Physical Chemistry  
 Laboratory for Magnetic Resonances  
 Bijenička 54, 10000 Zagreb, Croatia  
 Phone + 385 1 4680 194  
 Fax + 385 1 468 0245  
 E-mail dzilic@irb.hr  
 Personal web page <http://www.irb.hr/Ljudi/Dijana-Zilic>  
 ORCID <https://orcid.org/0000-0003-2387-0853>  
 Web of Science ResearcherID D-6119-2018  
 Citizenship Croatian  
 Nationality Croatian  
 Date and place of birth 26.01.1975. Konjic, Bosnia and Herzegovina

### WORK EXPERIENCE<sup>1</sup> (CHRONOLOGICALLY\*)

Date (from – until) 01.02.2024. -  
 Institution Ruđer Bošković Institute  
 Position Head of the Laboratory for magnetic resonances

Date (from – until) 21.10.2019. -  
 Institution Ruđer Bošković Institute  
 Position Senior Research Associate  
 Work field ESR/EPR spectroscopy, Solid state physics, Molecular magnetism, MOFs, Transition metal complexes

Date (from – until) 06.02.2013. - 21.10.2019.  
 Institution Ruđer Bošković Institute  
 Position Research Associate  
 Work field ESR/EPR spectroscopy, Solid state physics, Molecular magnetism, Transition metal complexes

Date (from – until) 05.06.2002. - 05.02.2013.  
 Institution Ruđer Bošković Institute  
 Position Research assistant (Junior assistant, Assistant, Senior assistant)  
 Work field ESR/EPR spectroscopy, Solid state physics, Molecule magnetism, Transition metal complexes

<sup>1,2,3</sup> Please add rows to enter all required information

\* all information in the document should be entered chronologically – from the most recent to the oldest

**EDUCATION<sup>2</sup>**  
(CHRONOLOGICALLY)

Date	2002. - 2008.
Place	Zagreb
Institution	Faculty of Science, University of Zagreb
Title of qualification award.	<u>Ph.D., Physics</u> , Solid state physics
Title of the thesis	"Surface magnetic field and energy transition dynamics in single-molecule magnets"
Supervisor	dr. B. Rakvin (RBI)
Date	1995. - 2002.
Place	Zagreb
Institution	Faculty of Science, University of Zagreb
Title of qualification award.	<u>B.Sc., Physics</u> (dipl. ing. in Croatia)
Title of the thesis	"Superparamagnetic behaviour of Mn12 and Fe8 single-molecule magnets"
Supervisors	prof. dr. K. Zadro (Faculty of Science) and dr. B. Rakvin (RBI)
Date	1993. - 1995.
Place	Zagreb
Institution	High school
Title of qualification award.	High School graduated
Date	1990. - 1992.
Place	Konjic (BiH)
Institution	High school
Title of qualification award.	- (education was interrupted due to the war)
Date	1982. - 1990.
Place	Konjic (BiH)
Institution	Primary school
Title of qualification award.	Primary school graduated

**TRAINING**  
(CHRONOLOGICALLY)

Year	2023./2024.
Place	Zagreb, Croatia
Institution	Institute of Physics
Subject and skills covered	Leadership for Scientists
Year	2023.
Place	Zagreb, Croatia
Institution	Ruđer Bošković Institute
Subject and skills covered	Scientific communication and media
Year	2023.
Place	Geneva, Swiss
Institution	9th EFEPR EPR Summer School
Subject and skills covered	EPR spectroscopy
Year	2017.
Place	Bucharest, Romania
Institution	COST CA15128: "Workshop WG2 and WG3"
Subject and skills covered	„Quantum spin science and technologies“
Year	2015.
Place	Belgrade, Serbia
Institution	COST CM1305: "Third scientific workshop"
Subject and skills covered	Spin states in transition metal compounds

Year 2014.  
 Place Lužnica, near Zagreb, Croatia  
 Institution The workshop "Dynamics in Soft Matter Probed by Advanced EPR Techniques" (organized by Alexander von Humboldt Foundation, Max Planck Gesellschaft and Ruđer Bošković Institute)  
 Subject and skills covered Advanced EPR Techniques

Year 2012  
 Place Chemnitz, Germany  
 Institution 5<sup>th</sup> Scientific "Toward Molecular Spintronics" Workshop (organized by DFG Research Unit 1154)  
 Subject and skills covered Molecular Spintronics

Year 2011.  
 Place Trogir, Croatia  
 Institution The Second international workshop on "Recent advances in broadband solid-state NMR of correlated electronic systems" (organized by Faculty of Science, University of Zagreb and SOLeNeMaR project (FP7 #229390))  
 Subject and skills covered Solid-state NMR (Nuclear Magnetic Resonance)

Year 2008.  
 Place St. Andrews, United Kingdom  
 Institution 4<sup>th</sup> EF EPR Summer School, COST P15 Training School and SUSP 64 (organized by the Universities of St Andrews and Dundee)  
 Subject and skills covered EPR spectroscopy

Year 2007.  
 Place Bonn, Germany  
 Institution COST P15 Training School "Theoretical and Computational EPR Spectroscopy"  
 Subject and skills covered Theoretical and Computational EPR Spectroscopy

Year 2006.  
 Place Rovinj, Croatia  
 Institution Ninth International Summer School on Biophysics (organized by the Ruđer Bošković Institute and the Croatian Biophysical Society)  
 Subject and skills covered Biophysics

Year 2005.  
 Place Wiesbaden, Germany  
 Institution 3. European EPR Summer School and COST Training School (organized by the Technical University Darmstadt, the Max Planck Institute and the Mainz Goethe University Frankfurt and Center for Biomolecular Magnetic Resonance)  
 Subject and skills covered EPR spectroscopy

**LANGUAGES****MOTHER TONGUE** Croatian**ENGLISH LANGUAGE**

Speaking Good  
 Writing Good  
 Reading Good

**OTHER FOREIGN LANGUAGES<sup>3</sup>**

Language	<b>German</b>
Speaking	Basic
Writing	Basic
Reading	Basic

**RESEARCH AND OTHER PROJECTS**

(CHRONOLOGICALLY; LEADER AND ASSOCIATES; FUNDING SOURCE)

**Leader**

2026.-2027. Croatian-German bilateral project (MZO-DAAD)

"Influence of ligand exchange on magnetic properties of manganese metal-organic frameworks"

Principal Investigators: **Dijana Žilić** (RBI) and Alexey Alfonsov (Leibniz IFW-Dresden)

2023.-2027. Croatian Science Foundation project IP-2022-10-9292

"Molecular magnetism in advanced solid and soft materials"

Principal Investigator: **Dijana Žilić** (RBI)

2019.-2021. Croatian-German bilateral project (MZO-DAAD)

"Magneto-structural correlations in molecular magnetic complexes studied by electron spin resonance spectroscopy"

Principal Investigators: **Dijana Žilić** (RBI) and Yulia Krupskaya (Leibniz IFW-Dresden)

03.09.2012.- 02.09.2013. Postdoc project of Croatian Science Foundation: "Study of molecule magnets (polynuclear transition metal complexes) by HF-EPR spectroscopy" realized in a group of Vladislav Kataev (Leibniz IFW-Dresden)

Principal Investigator: **Dijana Žilić** (RBI)

2011. Financial support of the Foundation of the Croatian Academy of Sciences and Arts

"Single crystals of organic stable radicals as EPR probes at the surface of the single-molecule magnet Mn<sub>12</sub>-acetate"Principal Investigator: **Dijana Žilić** (RBI)**Associate**

2025. UK International Exchanges 2025 Global Round 1

"Oxidation and reduction on atomic scale: In-situ TEM studies of MOFs for catalysis"

Principal Investigators: Krunoslav Užarević (RBI) and Leonardo Lari (University of York)

2022.-2026. COST Action CA21144 (MC member)

"Superconducting nanodevices and quantum materials for coherent manipulation (SUPERQUMAP)"

Principal Investigators: Hermann Suderow (Universidad Autonoma de Madrid, Spain)

2018.-2023. Croatian Science Foundation project

"Elucidating the importance of spin-spin interactions as a tool for new approaches in ESR studies of materials"

Principal Investigator: Marina Ilakovac Kveder (RBI)

2020.-2022. EU funds project:

AVACS "Adaptation of Vegetables on new Agrimeteorological Conditions in Slavonia",  
KK.05.1.1.02.0004

Principal Investigator: Krunoslav Miroslavić (University of Slavonski Brod)

2021.-2022. Croatian-German bilateral project (MZO-DAAD)

"New generation of magnetic MOF composites based on controllable confinement of selected endofullerenes"

Principal Investigators: Krunoslav Užarević (RBI) and Alexey Popov (Leibniz IFW-Dresden)

2019.-2021. "Scientific collaboration" project of Croatian Science Foundation

"Mechanochemical and solvent-free strategies towards functional porous materials with advanced physico-chemical and catalytic properties"

Principal Investigator: Krunoslav Užarević (IRB)

2015.-2018. Croatian Science Foundation project

"Influence of Magnetic Anisotropy on Quantum Spin Systems"

Principal Investigator: Mirta Herak (Institute of Physics, Croatia)

2014.-2018. Croatian Science Foundation project

"Low-temperature molecular dynamics of systems exhibiting lattice disorder probed by ESR"

Principal Investigator: Marina Ilakovac Kveder (RBI)

2016.-2019. NATO project

"Engineering silicon carbide for enhanced borders and ports security"

Principal Investigator: Ivana Capan (RBI)

2016.-2020. COST Action CA15128 (MC member)

"Molecular Spintronics (MOLSPIN)"

Principal Investigators: Eugenio Coronado (University of Valencia, Spain)

2014.-2018. COST Action CM1305 (MC member)

"Explicit Control Over Spin-states in Technology and Biochemistry (ECOSTBio)"

Principal Investigators: Marcel Swart (University of Girona, Spain)

2017.-2018. COGITO project

"Theoretical and experimental research of magnetic and multiferroic metals"

Principal Investigator: Mirta Herak (Institute of Physics, Croatia)

2011. Alexander von Humboldt research group linkage project

"The study of soft condensed matter by EPR: dynamics in glassy and crystalline matrices"

Principal Investigators: Marina Ilakovac Kveder (Ruđer Bošković Institute) and Wolfgang Lubitz (MPI für Bioanorganische Chemie, Mülheim an der Ruhr, Germany).

2007.-2013. Project of Ministry of Science, Education and Sports of the Republic of Croatia

"Molecular structure and dynamics in systems containing paramagnetic particles"

Principal Investigator: Boris Rakvin (RBI).

2005.-2010. Project COST Action P-15

"Advanced Paramagnetic Resonance Methods in Molecular Biophysics"

Principal Investigator: Boris Rakvin (RBI).

2002.-2006. Project of Ministry of Science, Education and Sports of the Republic of Croatia

"Electron spin resonance in systems with paramagnetic particles"

Principal Investigator: Boris Rakvin (RBI).

## TEACHING

(CHRONOLOGICALLY; UNDERGRADUATE, GRADUATE, POSTGRADUATE STUDY PROGRAMMES)

2018./2019. -

Lecturer for the Doctoral study course "EPR spectroscopy", at Department of Physics, Faculty of Science, University of Zagreb.

2010./2011.

Laboratory Exercises in "Introductory Laboratory Exercises in Physics 2", Undergraduate Study of Physics, Department of Physics, Faculty of Science, University of Zagreb.

2002./2003.-2008./2009. (7 years)

Laboratory Exercises in "Physics and Biophysics" ("Medical physics", "Physics and biophysics for students of veterinary medicine"), Undergraduate Study, Faculty of Veterinary Medicine, University of Zagreb.

Maltar Strmečki, Nadica; Žilić, Dijana; Pavić Grego, Ana.

Laboratory Exercises in Physics and Biophysics (with Worksheets)

(Manualia Universitatis studiorum Zagrabiensis)

Zagreb, Element, 2014.

#### **MENTORSHIP OF DEFENDED DOCTORAL AND MASTER DISSERTATIONS AND TRAINING OF YOUNG RESEARCHERS AND SCIENTISTS**

(CHRONOLOGICALLY)

2025.-ongoing; Mentor of David Kučera-Čavara at the Doctoral study in Chemistry at the Department of Chemistry, Faculty of Science, University of Zagreb.

08.01.2025. Doctoral thesis defended. Mentor of Lucija Vujević (with prof. I. Škorić) at Doctoral study at Faculty of Chemical Engineering and Technology, University of Zagreb.

15. 07.2022. Doctoral thesis defended. Mentor of Senada Muratović at Doctoral study in Chemistry at Department of Chemistry, Faculty of Science, University of Zagreb.

26. 02.2021. Diploma thesis defended. Mentor of Marta Šimunović (with prof. B. Prugovečki) at Diploma thesis at Department of Chemistry, Faculty of Science, University of Zagreb.

Mentorships of seminars for four Doctoral and Graduate students (D. Pajić, N. Novosel, M. Herak, I. Kovačević) at the Department of Physics, Faculty of Science, University of Zagreb.

#### **VISITS TO FOREIGN RESEARCH AND EDUCATION INSTITUTIONS**

(CHRONOLOGICALLY; ONLY VISITS LONGER THAN 3 MONTHS)

03.09.2012.-02.09.2013. Postdoc at Leibniz IFW-Dresden, Germany in the group of dr. V. Kataev.

##### **Short visits:**

02.-03.06.2025. Leibniz IFW-Dresden, Njemačka (HF-ESR with dr. A. Alfonsov, HrZZ-MOMENT).

20.-22.02.2024. Leibniz IFW-Dresden, Njemačka (HF-ESR, IFW guest of dr. Y. Krupskaya).

19.-23.07.2021. Leibniz IFW-Dresden, Germany (bilateral project with dr. Y. Krupskaya).

01.-20.11.2020. Leibniz IFW-Dresden, Germany (bilateral project with dr. Y. Krupskaya).

11.-25.06.2019. Leibniz IFW-Dresden, Germany (bilateral project with dr. Y. Krupskaya).

15.-17.05.2019. Leibniz IFW-Dresden, Germany (bilateral project with dr. Y. Krupskaya).

15.08.-02.09.2016. Leibniz IFW-Dresden, Germany (HF-ESR, dr. V. Kataev).

#### **AWARDS AND RECOGNITIONS**

(CHRONOLOGICALLY)

Awards from the RBI general director and the Division of Physical Chemistry for a few of the best articles.

The scholarship of the "Croatian Scholarship Fund (CSF)" from the USA.

The award for one of the three best student works at the conference PrimMath[2001] (*The First Scientific and Technical Conference Mathematica in Science, Technology and Education*) 2001., Zagreb.

#### **ORGANIZATIONAL SKILLS AND COMPETENCES**

(CHRONOLOGICALLY; ORGANIZATION OF HOME AND INTERNATIONAL SCIENCE EVENTS)

-Member of Organizing committee of international meeting „Solid State Science & Research“ 2025 (02.-04. 07. 2025.), 2023 (28.-30. 06. 2023.), 2021 (10.-11. 06. 2021. on-line), 2019 (27.-29.

06. 2019.), and 2017 (28.-30. 06. 2017.) (organized by RBI, Institute of Physics and Faculty of Science), Zagreb, Croatia.

-Member of the Scientific committee of 9th EFEP EPR School (organised by European Federation of EPR and University of Geneva), 3.-9. 9. 2023., Geneva, Switzerland.

-Member of the Scientific committee of "14th and 15th Conference of the Society of Physicists of Macedonia - CSPM" (organized by Society of Physicists of Macedonia), Ohrid, North Macedonia, 15.-18. 9. 2022., 19.-22. 9. 2024. and 24.-27. 9. 2026.

-2019. and 2021. Financial support of the Foundation of the Croatian Academy of Sciences and Arts for the organization scientific meeting "Solid State Science & Research 2019" and "Solid State Science & Research 2021" (organized by RBI, Institute of Physics and Faculty of Science) given to organizers D. Žilić i K. Užarević.

-Member of the local Organizing committee for the workshop "Dynamics in Soft Matter Probed by Advanced EPR Techniques" (organized by Alexander von Humboldt Foundation, Max Planck Gesellschaft and Ruđer Bošković Institute), Lužnica, near Zagreb, Croatia, 5.-9. 5. 2014.

#### MEMBERSHIP IN SCIENCE ORGANIZATIONS AND BODIES

(CHRONOLOGICALLY; HOME AND INTERNATIONAL ORGANIZATIONS AND BODIES)

Croatian Physical Society.

German Physical Society.

International EPR Society.

#### COMMISSIONS, COMMITTEES, BOARDS AND WORK GROUPS

(CHRONOLOGICALLY; HOME AND INTERNATIONAL)

2024.- Member in the Council Office of Division of Physical Chemistry at RBI.

2013.- Member in the Council of Physics at Ruđer Bošković Institute (RBI).

2005.-2007. Assistant representative in the Council of assistants at RBI.

2005.-2007. Assistant representative in the Council Office of Physics at RBI.

2003.-2007. Assistant representative in the Council Office of Division of Phys. Chemistry at RBI.

#### PAPERS

(CHRONOLOGICALLY; RESEARCH BOOKS, HOME AND INTERNATIONAL RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS; PLEASE WRITE THEIR IMPACT FACTOR)

Until May 2026 (according to Web of Science Core Collection)

56 published articles <https://www.webofscience.com/wos/author/record/151944>

h-index=17

#### OTHER RESEARCH ACTIVITIES

(CHRONOLOGICALLY; CHIEF EDITOR OR EDITOR OF RESEARCH BOOK, HOME AND INTERNATIONAL RESEARCH JOURNALS, HOME AND INTERNATIONAL CONFERENCE PROCEEDINGS AND OTHER)

The Book of Abstracts "Dynamics in Soft Matter Probed by Advanced EPR Techniques" / Žilić, Dijana; Ilakovac Kveder, Marina (editors). Zagreb, Ruđer Bošković Institute, 2014.

Review Editor for "Porous Crystalline Networks" and "Experimental Results".

Reviewer for:

Croatian Science Foundation (HrZZ)

QuantERA 2025

Swiss National Science Foundation (SNSF)

**Journals:** Journals Materials Horizons, Nanoscale, Nanoscale Advances, Scientific Reports, Applied Physics Letter, Advanced Functional Materials, Journal of Magnetic Resonances, ACS Applied Engineering Materials, ACS Omega, Polyhedron, Molecules, Molecular Crystals and Liquid Crystals, Materials Chemistry Frontiers, Acta Physica Polonica, MatChemPhys, Journal of the American Ceramic Society, International Journal of Molecular Sciences.

#### COMPUTER SKILLS

Web administrator of the Division of Physical Chemistry (until 2024) and the Laboratory for Magnetic Resonances.

Windows, Linux, MS Office, Mathematica, Matlab, EasySpin, Bruker XSophe, Bruker MoSophe, Origin, HTML, Latex...

#### OTHER IMPORTANT SKILLS AND COMPETENCES

##### Lectures:

21. Žilić, Dijana; Vujević, Lucija; Karadeniz, Bahar; Užarević, Krunoslav; Popov, Alexey. Enlarging Quantum Coherence of Molecular Spin Qubits in Zirconium Porphyrinic MOFs "11th International Conference on Superconductivity and Magnetism (ICSM2026) jointly with 4th International Conference on Quantum Materials and Technologies (ICQMT2026)" 24.04.2026. Fethiye-Oludeniz, Turkey. **(invited)**

20. Žilić, Dijana. EPR investigation of selected metal-organic frameworks, 6.9.2023. University of York, UK.

19. Žilić, Dijana. Quantum Coherence of Molecular Spin Qubits in Metal-Organic Frameworks "Gordon Research Conference: Rigorous Application of the Scientific Method to Molecular Structure, Reactivity, and Dynamics", 25.06.2025. Holderness, New Hampshire, United States. **(invited)**

18. Žilić, Dijana. EPR investigation of selected metal-organic frameworks "XXIX International EPR Seminar", 14.05.2025. Modra, Slovačka.

17. Žilić, Dijana; Vujević, Lucija; Karadeniz, Bahar; Užarević, Krunoslav; Popov, Alexey A. Coherent manipulation of the spin states in copper and vanadyl molecular qubits "European COST Action CA21144 "SuperQumap" conference on: Superconducting Nanodevices and Quantum Materials for Coherent Manipulation: Topological states in superconductors and magnetic materials", 06.05.2025. Liblice, Češka Republika. **(invited)**

16. Žilić, Dijana; Kveder, Marina; Vujević, Lucija; Užarević, Krunoslav; Karadeniz, Bahar; Cindro, Nikola; Krajnc, Andraž; Mali, Gregor; Mazaj, Matjaž; Popov, Alexey; Avdoshenko, Stanislav. Increasing Quantum Coherence in Molecular Spin Qubits by Fullerene Encapsulation in MOFs, "9th International Conference on Superconductivity and Magnetism"; doi: <https://icsmforever.org/> 29.04.2024. Fethiye, Turkey.

15. Žilić, Dijana. Low-dimensional magnetism in MOF-74 compounds "The international workshop on Magnetic Resonance of Correlated Electron Materials", 22.9.2023. Dresden, Germany.

14. Žilić, Dijana.

MOFs as a playground for studying low-dimensional magnetism and molecular spin qubits,  
6.9.2023. EPFL, Lausanne, Switzerland. **(invited)**

13. Žilić, Dijana.

Different EPR techniques (multifrequency CW and pulse X-band) in the study of molecular magnetic compounds

"EPR Day- Honoring 60 Years of the Laboratory for Magnetic Resonances",  
6.6.2023. Zagreb, Hrvatska.

12. Žilić, Dijana.

Magneto-strukturne korelacije u odabranim metalo-organskim mrežama

"Konferencija povodom završetka projekta Kriogeni centar Instituta za fiziku – KaCIF",  
15.12.2022. Zagreb, Croatia. **(invited)**

11. Garg, Nitish Kumar; Goriya, Yogesh; Manojveer, Seetharaman; Muratović, Senada; Pajić, Damir; Cetina, Mario; Petreska, Irina; Krupskaya, Yulia; Kataev, Vladislav; Johnson, Magnus T., Wendt, Ola F.; Žilić, Dijana.

Unusual magnetism and thermochromism of mononuclear iron(III) complex

"14th Conference of the Society of Physicists of Macedonia - CSPM 2022",  
15.-18. 9. 2022. Ohrid, North Macedonia. **(invited)**

10. Žilić, Dijana; Maity, Debdeep; Cetina, Mario; Molčanov, Krešimir; Džolić, Zoran; Herak, Mirta. Magneto-Structural Study of Dihalo-Bridged Copper Dimers: Intra- and Interdimer Interactions as Revealed by Single-Crystal ESR Spectroscopy

"Joint meeting of the DPG and EPS Condensed Matter Divisions", Berlin, Germany, 2018.

9. Žilić, Dijana.

Magnetic properties of transition metal complexes and organic radicals studied by ESR spectroscopy

"C-MAC Euroschool in Material Science 2017: Physical properties I – electrons, phonons and interactions in complex systems, Split, Hrvatska, 2017. **(invited)**

8. Žilić, Dijana; Užarević, Krunoslav; Friščić, Tomislav; Dragović, Jure; Pajić, Damir; Krupskaya, Yulia; Kataev, Vladislav

Magnetic properties of monometallic and bimetallic MOF-74 compounds studied by high-field ESR spectroscopy

"Solid-State Science & Research 2017" Zagreb, Hrvatska, 2017.

7. Žilić, Dijana.

Magnetic properties of transition metal complexes and organic radicals studied by ESR spectroscopy

"Third scientific workshop" in COST Action CM1305, Belgrade, Serbia, 2015.

6. Žilić, Dijana; Androš, Lidija; Krupskaya, Yulia; Kataev, Vladislav; Buechner, Bernd.

HF-ESR study of Cr(III) polymeric oxalate complexes

Workshop "*Dynamics in Soft Matter Probed by Advanced EPR Techniques*", Lužnica, near Zagreb, Croatia, 2014.

5. Žilić, Dijana.

Istraživanje kompleksa prijelaznih metala EPR spektroskopijom u jakim magnetskim poljima

"8. znanstveni sastanak Hrvatskog fizikalnog društva", Primošten, Croatia, 2013.

4. Žilić, Dijana.

Magnetic properties of transition metal complexes as revealed by HF-ESR

"Workshop on characterization of semiconductor nanostructures; the role of defects", Zagreb, Croatia, 2013.

3. Žilić, Dijana.

Study of molecular magnets by X-band EPR spectroscopy  
Leibniz IFW-Dresden, Dresden, Germany, 2012.

2. Žilić, Dijana.

Perkolacijsko nakupljanje

"The First Scientific and Technical Conference Mathematica in Science, Technology and Education PrimMath[2001]", Zagreb, Croatia, 2001.

1. Žilić, Dijana.

Percolation

"International Conference for Physics Students", Zadar, Croatia, 2000.

### Meetings (personal participation):

1. 11th International Conference on Superconductivity and Magnetism (ICSM2026) jointly with 4th International Conference on Quantum Materials and Technologies (ICQMT2026)" 22.-26.04.2026. Fethiye-Oludeniz, Turkey (invited lecture)
2. Solid-State Science & Research 2025, 02-04 07 2025, Zagreb, Croatia (organizing committee)
3. Gordon Research Conference: Rigorous Application of the Scientific Method to Molecular Structure, Reactivity, and Dynamics", 22.-27.06.2025. Holderness, New Hampshire, United States (invited lecture)
4. XXIX International EPR Seminar, 12-15 05 2025, Modra, Slovakia (lecture)
5. European COST Action CA21144 "SuperQumap" conference on: Superconducting Nanodevices and Quantum Materials for Coherent Manipulation: Topological states in superconductors and magnetic materials, 06-09 05 2025, Liblice, Češka (invited lecture)
6. 9th International Conference on Superconductivity and Magnetism 27 04-04 05 2024, Fethiye, Turska (lecture)
7. The international workshop on Magnetic Resonance of Correlated Electron Materials, 17-22 09 2023, Dresden, Germany (lecture)
8. Solid-State Science & Research 2023, 28-30 06 2023, Zagreb, Croatia (organizing committee)
9. EPR Day- Honoring 60 Years of the Laboratory for Magnetic Resonances, 6. 6. 2023. Zagreb, Hrvatska (oral, organizing committee)
10. Konferencija povodom završetka projekta Kriogeni centar Instituta za fiziku – KaCIF, 15.12.2022. Zagreb, Croatia. (invited lecture)
11. 14th Conference of the Society of Physicists of Macedonia – CSPM, 15-18 09 2022, Ohrid, North Macedonia, 2022. (invited lecture)
12. 8th European Conference on Molecular Magnetism, 04-07 07 2022, Rennes, France (poster)
13. Solid-State Science & Research 2021, 10-11 06 2021, on-line (poster)
14. Solid-State Science & Research 2019, 27-29 06 2019, Zagreb, Croatia (poster)
15. 2nd European Conference on Molecular Spintronics (ECMoIS2018), 21-24 10 2018, Peniscola, Spain (poster)
16. Joint meeting of the DPG and EPS Condensed Matter Divisions, 11-16 04 2018, Berlin, Germany (oral)
17. C-MAC Euroschool in Material Science 2017, 10-15 09 2017, Spit, Croatia (invited lecture)
18. Solid-State Science & Research 2017, 28-30 06 2017, Zagreb, Croatia (lecture)
19. EUROMAR, 03-07 07 2016, Aarhus, Denmark (poster)
20. "Third scientific workshop" in COST Action CM1305, 24-25 08 2015, Belgrade, Serbia (oral)
21. Workshop "Dynamics in Soft Matter Probed by Advanced EPR Techniques", 05-09 05 2014, Lužnica, near Zagreb, Croatia (oral)

22. Workshop on characterization of semiconductor nanostructures; the role of defects", 02-04 12 2013 Zagreb, Croatia (oral)
23. Osmi znanstveni sastanak Hrvatskoga fizikalnog društva , 06-08 10 2013, Primošten, Croatia (lecture)
24. Deutsche Physikalische Gesellschaft (DPG) Spring Meeting, 10-15 03 2013, Regensburg, Germany (poster)
25. Vth International Conference on Molecular Materials (MOLMAT 2012), 03-06 07 2012, Barcelona, Spain (poster)
26. 3rd International Symposium on Molecular Materials-MOLMAT 2008, 08-11 07 2008, Toulouse, France (poster)
27. Peti znanstveni sastanak Hrvatskoga fizikalnog društva , 05-08 10 2007, Primošten, Croatia (poster)
28. Gordon Research Conference: Magnetic Nanostructures, 03-08 09 2006, Oxford, United Kingdom (poster)
29. V International Conference on Science, Art and Culture: "On the present Status of Quantum Mechanics", 07-09 09 2005, Losinj, Croatia
30. Conference on Single Molecule Magnets and Hybrid Magnetic Nanostructures, 27 06-01 07 2005, Trieste, Italy (poster)
31. IV International Conference on Science, Art and Culture: "Nanoscience and Nanotechnologies", 06-10 09 2004, Losinj, Croatia
32. 20th General Conference Condensed Matter Division EPS, 19-23 07 2004, Prague, Czech Republic (poster)
33. 4. znanstveni sastanak Hrvatskog fizikalnog društva, 13-15 11 2003, Zagreb, Croatia (poster)
34. 2. znanstveno-stručni skup Programski sustav Mathematica u znanosti, tehnologiji i obrazovanju PrimMath(2003), 25-26 09 2003, Zagreb, Croatia
35. 13th International symposium "Spectroscopy in theory and practice", 27-30 08 2003, Nova Gorica, Slovenia (poster)
36. znanstveno-stručni skup Programski sustav Mathematica u znanosti, tehnologiji i obrazovanju PrimMath(2001), 27-28 09 2001, Zagreb, Croatia (lecture)
37. International Conference for Physics Students, 04-11 08 2000, Zadar, Croatia (lecture)

### Activity of science promotion and popularity

- Participation on the national television show (HRT "Prometej") 1. 12. 2023. with the topic Quantum Materials.
- 25. 5. 2022. popular-scientific lecture to 6B class Primary school Fran Galović, Zagreb (prof. Tušek) „O svemiru i magnetizmu“.
- Participation (a few years) in the organization of RBI Open days
- Published popular-scientific article Žilić, Dijana, „Neobična molekula vode“, Sustavi, 4 (2008) 13-16.
- Participation on the national television show (HRT "Trenutak spoznaje") in September 2010. with the topic Unusual properties of water molecules.

### ADDITIONAL INFORMATION AND NOTES