

CURRICULUM VITAE

Ganna KUDRYAVTSEVA

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- Languages: Russian, Ukrainian – native, English, Slovenian – fluent.

Education and degrees:

- 1987 – 1991 – high school student, Kyiv Physics and Mathematics Lyceum no. 145 (finished with Honour).
- 1991–1996 — student, Kyiv Taras Shevchenko University, Department of Mechanics and Mathematics.
- 1996 — **MSc in Mathematics** (with Honour), Kyiv Taras Shevchenko University.
- 1996–2000 — graduate student, Kyiv Taras Shevchenko University, Department of Mechanics and Mathematics.
- 2001 — **PhD in Mathematics**, Kyiv Taras Shevchenko University. Advisor - Prof. O.G. Ganyushkin.

Research interests: algebra: semigroups, inverse semigroups and their generalizations, linear algebra, ordered sets and lattices, Boolean algebras and their generalisations, combinatorial C^* -algebras, categorical algebra; topology: étale groupoids, pointless topology, quantales; logic; automata theory.

Employment History (full-time positions):

- From March 2023 – **Associate Professor** and **Research Fellow**, Department of Mathematics, Faculty of Mathematics and Physics, University of Ljubljana, Slovenia
- November 2019 – February 2023 – **Associate Professor**, Faculty of Civil and Geodetic Engineering, University of Ljubljana, Slovenia.
- October 2015 – October 2019 – **Teaching Assistant** (habilitated Assistant Professor till September 2016 and Associate Professor since October 2016), Faculty of Civil and Geodetic Engineering, University of Ljubljana, Slovenia.
- May 2014 — October 2014 — **Research Fellow** of Institute of Mathematics, Physics in Mechanics, Ljubljana, Slovenia.
- November 2014 – September 2015 — **Research Fellow** of Institute Jožef Stefan, Ljubljana, Slovenia, funded by the EU project TOPOSYS (FP7-ICT-318493-STREP) and **Research Fellow** of Institute of Mathematics, Physics in Mechanics, Ljubljana, Slovenia.
- October 2010 – May 2014 — **Teaching Assistant** (habilitated Assistant Professor), in 2011-2012 — **Assistant Professor**, Faculty of Computer and Information Science, University of Ljubljana, Slovenia.
- February 2008 – September 2010 — **Assistant Professor**, University of Nova Gorica, Slovenia.
- June 2006 - February 2008 — **Associate Professor**, Department of Mechanics and Mathematics, Kyiv Taras Shevchenko University, Ukraine.
- October 2000 - May 2006 — **Assistant Professor**, Department of Mechanics and Mathematics, Kyiv Taras Shevchenko University, Ukraine.

Employment History (part-time positions):

- October 2015 – September 2016 — **Research Fellow** of Institute Jožef Stefan, Ljubljana, Slovenia.
- January 2012 – present (excluding the period, stated above in the list of my full-time positions, when this position was full-time) — **Research Fellow** of Institute of Mathematics, Physics in Mechanics, Ljubljana, Slovenia (ARRS grant P1-0288).

Refereeing and reviewing:

- Since 2009 — referee for many journals, including: *Proceeding of the London Mathematical Society*, *Journal of the London Mathematical Society*, *Journal of Algebra*, *Israel Journal of Mathematics*, *Linear Algebra and its Applications*, *Communications in Algebra*, *Semigroup Forum*, *Algebra Universalis*, *Algebra and Discrete Mathematics*, *Central European Journal of Mathematics*, *Houston Journal of Mathematics*, *Journal of Algebraic Combinatorics*, *Glasgow Mathematical Journal*, *Periodica Mathematica Hungarica*, *Studia Scientiarum Mathematicarum Hungarica*, *Bulletin of the Malaysian Mathematical Sciences Society*, *Communications in Mathematics*, *Bulletin of the Belgium Mathematical Society*, *Journal of Pure and Applied Algebra*, *Hacettepe Journal of Mathematics and Statistics*, *Revista Matemática Iberoamericana* — more than 60 papers refereed.
- Reviewer for *Mathematical Reviews*.
- Reviewer for *Zentralblatt Math*.

Editorial work:

- Since 2022 - Communicating Editor of *Semigroup Forum*.
- Since 2024 - Communicating Editor of *Algebra and Discrete Mathematics*.

PI on research projects:

- PI on the Slovenian Research Agency grant BI-EE/20-22-010, bilateral collaboration with University of Tartu, Estonia, November 2020 – October 2022.

Service in PhD Committees abroad:

- Member of a PhD committee, "Categorical logic from the perspective of duality and compact-ordered spaces of Jérémie Marqués, University of Côte d'Azur (Nice, France), September, 2023.
- Member of a PhD committee 'The word problem for finitely presented special inverse monoids', University of East Anglia (Norwich, UK), July, 2025.

Professional service:

- Since October 2025 – Deputy Head of the Department of Mathematics, Faculty of Mathematics and Physics, University of Ljubljana.
- Since 2024 – Country Coordinator for Slovenia in European Women in Mathematics.
- Since 2024 – Editor for Mathematics of the journal 'Matrika' (this is the Journal established by the Faculty of Mathematics and Physics of Ljubljana University which publishes high quality first research and expository papers by students in Mathematics and Physics).
- Since 2023 – coordinator of the seminar on algebra and functional analysis 'Alpe-Jadran', organized by the University of Ljubljana, University of Zagreb and University of Graz.

- Since 2023 – Member of the Board for Mathematics of the Society for Mathematics, Physics and Astronomy of Slovenia.
- Since 2022 – Member of the Scientific Council of the Institute of Mathematics, Physics and Mechanics (IMFM) of Ljubljana.
- 2021 - 2022 – Deputy Head of the Chair of Mathematics of the Faculty of Civil and Geodetic Engineering of Ljubljana University.

Research visits:

- A research visit to the Institute of Mathematics and Statistics of University of Tartu, Estonia, May 11 – 21, 2022.
- A research visit to the Institute for Logic, Languages and Computation (ILLC), Amsterdam, the Netherlands, September 11 – 15, 2018.
- A research and pedagogical visit to USP (Universidade de Sao Paolo), Brazil, April, 1 – June, 30, 2015.
- Research in groups at ICMS, Edinburgh, Scotland, UK, July 6 – 24, 2014.
- A research visit to CAUL, Lisbon, Portugal, November, 2012.
- A research visit to LIAFA (Laboratoire d'Informatique Algorithmique: Fondements et Applications), Paris, France, September, 2012.
- Research visits to the Department of Mathematics, Uppsala University, Sweden, in April, 2002; September, 2004; November, 2005; October, 2006; February, 2007; September, 2007; February 2012; February 2013.
- A research visit to the Department of Mathematics, University of Ljubljana, Slovenia, June, 2007.
- A research visit to the Department of Mathematics, University of Essex, United Kingdom, August, 2007.

Participation in conferences and schools:

Invited talks:

- XV Algebra Conference in Ukraine, Lviv, Ukraine, July 8.–11, 2025, (online participation).
- TCA 2025 (Theoretical and Computational Algebra), Evora, Portugal, June, 30 – July, 4, 2025.
- TACL 2024, Barcelona, Spain, July 1–5, 2024.
- NBSAN meeting, Manchester, UK, June 17–21, 2024.
- Antipode 2022, September 12–13, 2022, Brussels, Belgium.
- Spring Western Sectional Meeting of the AMS, special session ‘Recent Trends in Semigroup Theory’, May 14 –15, 2022, online.
- ICSAOT 2022: International Conference on Semigroups, Algebras, and Operator Theory, in honour of Professor P. G. Romeo (Cochin, India), March 28–31, 2022, online.
- 13th algebraic conference in Ukraine, July 6–9, 2021, online.
- Kyiv Algebra 2020, International conference dedicated to 60th anniversary of Algebra Department of Kyiv University, July 14–17, 2020, online.
- International Conference on Semigroups and Application ICSSA 2019, Kochin, India, December 9–13, 2019.

- International conference on semigroups on the occasion of Maria Szendrei's 65th birthday, Lisbon, Portugal, July 11-14, 2018.
- Non-commutative structures 2018: a workshop in honor of Jonathan Leech, Portorož, Slovenia, May 24-27, 2018.
- Facets of irreversibility: inverse semigroups, groupoids and operator algebras, Oslo, Norway, December 4–8, 2017.
- Applications of operator algebras: order, disorder and symmetry, ICMS workshop, Edinburgh, Scotland, UK, June 26–30, 2017.
- International conference on semigroups and automata 2016, Lisbon, Portugal, June 20–24, 2016.
- New directions in inverse semigroups, Ottawa, Canada, June 1–3, 2016.
- An NBSAN (North British Semigroups and Applications Network) meeting, Edinburgh, Scotland, UK, July 21, 2014.
- Duality in computer science, Schloss Dagstuhl - Leibniz Center for Informatics, Dagstuhl, Germany, July 28 – August 2, 2013.
- Semigroup Representations, ICMS workshop, Edinburgh, Scotland, UK, April 10–12, 2013.
- Semigroups and Applications, Uppsala, Sweden, August 29 – September 2, 2012.
- $(AC)^2$ - Algebraic Combinatorics on The Adriatic Coast III, University of Primorska, Koper, Slovenia, May 16 – 17, 2008.
- The Fifth Linear Algebra Workshop LAW'08, Kranjska Gora, Slovenia, May 27 – June 5, 2008.

Contributed talks:

- Algebra and its Role in Computer Science, celebrating 70th birthday of prof. dr. M. V. Volkov, Lisbon, Portugal, June 25–26, 2025.
- TCA 2023 (Theoretical and Computational Algebra 2023), Pocinho, Portugal, July 4–8, 2023 (organized a thematic session).
- AAA103 (The 103rd Workshop on General Algebra), Tartu, Estonia, June, 9–11, 2023.
- AAA102 (The 102th Workshop on General Algebra), Szeged, Hungary, July, 24–26, 2022.
- Topology, Algebra, and Categories in Logic TACL 2019, Nice, France, June 17–21, 2019.
- Semigroups and Groups, Automata, Logic SandGAL 2019, Cremona, Italy, June 10–13, 2019.
- AAA 97 (the 97th Workshop on General Algebra), Vienna, Austria, March 1–3, 2019.
- AAA 91 (the 91th Workshop on General Algebra), Brno, Czech Republic, February 5–7, 2016.
- Novi Sad Algebraic Conference NSAC 2013, Novi Sad, Serbia, June 5–9, 2013.
- Workshop on semigroups to remember Prof. John Howie, Lisbon, Portugal, May 23–25, 2012.
- Topology, Algebra, and Categories in Logic TACL 2011, Marseilles, France, July 26–30, 2011.
- International conference on algebras and lattices 'Jadrafest', Prague, Czech Republic, June 21–25, 2010.

- International conference dedicated to the 60-th birthday of Prof. V.I. Suschanski, Kyiv, Ukraine, December 27–29, 2006.
- International Algebraic Conference dedicated to 100 years from the birth of prof. P.G. Kontorovich and to the 70th birthday of Prof. L.N. Shevrin, Ekaterinburg, Russia, August 29 - September 3 2005.
- International Algebraic Conference devoted to the 100th anniversary since beginning of work of prof. D. Grave in Kyiv University, Kyiv, Ukraine, June 2002.
- Conference of Young Algebraists, devoted to 40th anniversary of the Division of Algebra of Kyiv Taras Shevchenko University, Kyiv, September 1999.
- Fifth International Conference devoted to the memory of Accad. Kravchuk, Kyiv, Ukraine, May 1996.
- Developing and Applying of Mathematical Methods in Scientific and Technical Researches, Lviv, Ukraine, October 1995.

Participation:

- Algebra, Geometry and C*-algebras, ICMS workshop, Edinburgh, Scotland, UK, June 18-24, 2023 (invited participation, section chair).
- Higher rank graphs: geometry, symmetry, dynamics, ICMS workshop, Edinburgh, Scotland, UK, July 15–17, 2019 (invited participation, section chair).
- Unified Correspondence, Lorenz Center Workshop, Leiden, the Netherlands, February 15–19, 2016.
- 6th Linear Algebra Workshop, Kranjka Gora, Slovenia, May 25–June 1, 2011.
- PhDs in Logic III, Brussels, Belgium, February 17–18, 2011.
- Highlights of AuthoMathA, Vienna, Austria, November 21–24, 2010.
- CANT 2006, Liège, Belgium, May 8–19, 2006.
- NATO ASI summer school on structural theory of automata, semigroups and universal algebra, Montreal, Canada, Université de Montréal, July 7–18, 2003.

Seminar talks (since 2011):

Invited talks at foreign institutions:

- Relating ample and biample topological categories with Boolean restriction and range semigroups, November 26, 2024, Prague, Noncommutative geometry and topology seminar.
- Partial actions in semigroup theory, Seminar for Algebra of the University of Warsaw, November, 2023, online.
- F -inverse monoids in enriched signature, Seminar for Algebra and Analysis ‘Alpe-Jadran’, University of Zagreb, Croatia, May 13, 2023.
- Restriction semigroups and their étale categories, Seminar for algebra of the University of Tartu, Estonia, May 17, 2022.
- Expansions of monoids, Seminar on Semigroups, Automata and Languages, Center for Mathematics of the University of Porto, April 16, 2021, online.
- Boolean inverse semigroups, York Semigroup, Faculty of Mathematics, University of York, October, 28, 2020, online.
- A perspective on non-commutative frame theory, Algebra/Coalgebra seminar, ILLC, University of Amsterdam, the Netherlands, September 12, 2018.

- Partial monoid actions and a class of restriction semigroups, Algebra seminar of Mathematical Department of University of Sao Paulo (IME-USP), Brazil, April 28, 2015.
- Bi-unary generalizations of inverse semigroups and their categories, Algebra Seminar ‘By the end of the year’ of Kyiv University, Kyiv, Ukraine, December 26, 2013.
- Non-commutative Stone dualities, Algebra seminar of Zagreb University, Zagreb, Croatia, December 3, 2013.
- Quantales, inverse semigroups and étale groupoids, Algebra and Geometry Seminar of Uppsala University, Sweden, February 12, 2013.
- Non-commutative Stone duality, Algebra Seminar ‘By the end of the year’ of Kyiv University, Kyiv, Ukraine, December 26, 2012.
- On non-commutative Stone duality, Algebra Seminar of CAUL, Lisbon, Portugal, November 30, 2012.
- Monoids of languages, monoids of reflexive relations and positively ordered monoids, Seminar of working group in Automata Theory of LIAFA, Paris, France, September 17, 2012.
- On Stone duality and its non-commutative generalizations, Algebra and Geometry Seminar of Uppsala University, February 7, 2012.

Talks given in Ljubljana:

- Duality theory for right restriction semigroups, Seminar for Algebra and Functional Analysis of Ljubljana University, May 16, 2024.
- Partial actions in semigroup theory, Seminar for Algebra and Functional Analysis of Ljubljana University, March 2, 2023.
- Steinberg algebras and their generalizations, Seminar for Algebra and Functional Analysis of Ljubljana University, November, 17, 2022.
- Ehresmann semigroups, Seminar for Algebra and Functional Analysis of Ljubljana University, November, 25, 2021.
- Expansions of monoids: the Birget-Rhodes expansion, Seminar for Algebra and Functional Analysis of Ljubljana University, March, 28, 2019.
- Prime representations of inverse semigroups, Seminar for Algebra and Functional Analysis of Ljubljana University, November, 25, 2017.
- Free skew Boolean algebras and skew Boolean intersection algebras, Seminar for Algebra and Functional Analysis of Ljubljana University, February, 25, 2016.
- Filtered functors and internal actions related to inverse semigroups, parts 1 and 2, Seminar for Foundations of Mathematics and Computer Science of Ljubljana University, March 3 and March 10, 2015.
- Bi-unary generalizations of inverse semigroups, Part 2, Algebra Seminar of Ljubljana University, December 11, 2013.
- Inverse semigroups, groupoids, and C^* -algebras, Seminar for Functional Analysis and Algebra of Ljubljana University, December 5, 2013.
- Bi-unary generalizations of inverse semigroups, Part 1, Algebra Seminar of Ljubljana University, November 26, 2013.
- Quantales, inverse semigroups and étale groupoids, Seminar for Functional Analysis and Algebra of Ljubljana University, May 23, 2013.

- On multiset groups, Algebra Seminar of Ljubljana University, November 21, 2012.
- Stone duality for inverse semigroups, Algebra Seminar of Ljubljana University, May 30, 2012.
- Priestley duality for skew lattices, Seminar for Foundations of Mathematics and Computer Science of Ljubljana University, May 8, 2012.
- Stone duality for skew Boolean algebras and skew Boolean intersection algebras, Algebra Seminar of Ljubljana University, March 30, 2011.
- Adjunctions between Boolean and skew Boolean algebras, Seminar for Foundations of Mathematics and Computer Science of Ljubljana University, April 5, 2011.
- Non-commutative generalizations of Stone duality, Seminar for Functional Analysis and Algebra of Ljubljana University, November 17, 2011.

Teaching Experience:

University of Ljubljana (Slovenia), Faculty of Mathematics and Physics:

- 2025/26 Discrete Structures (lectures, for undergraduate students of Financial Mathematics), Elementary Number Theory (lectures, for undergraduate students of Pedagogical Mathematics and Mathematics), Seminar (for undergraduate students of Mathematics).
- 2024/25, Algebra 2 (exercises), Discrete Structures (lectures, for undergraduate students of Financial Mathematics), Elementary Number Theory (lectures, for undergraduate students of Pedagogical Mathematics and Mathematics).
- 2023/2024 Algebra 2 (exercises), Noncommutative Algebra (exercises), Algebra 1 (exercises), Seminar (for undergraduate students of Mathematics), Mathematics (lectures, for the students of the Biotechnical Faculty).
- 2022/2023 Algebra 2 (exercises), Proseminar (exercises), Selected topics in discrete mathematics: finite automata (lectures and exercises, for master's students).

University of Ljubljana (Slovenia), Faculty of Civil and Geodetic Engineering:

- 2022/2023 Mathematics I (lectures).
- 2021/2022 Engineering Mathematics I (lectures), Mathematics in development of building environment (lectures for PhD students), Differential equations and geometry (lectures for master's students), Mathematics I (lectures), Mathematics II (lectures).
- 2020/2021 academic year: Engineering Mathematics I (lectures), Mathematics in development of building environment (lectures for PhD students), Mathematics I (lectures), Mathematics II (lectures).
- 2019/2020 academic year: Engineering Mathematics I (lectures), Differential equations and geometry (lectures, for master's students), Mathematics in development of building environment (lectures for PhD students), Mathematics (lectures for students of the Faculty of Architecture), Mathematics II (lectures).
- 2018/2019 academic year: Mathematics I (exercises), Engineering Mathematics I (lectures), Mathematics III, Differential equations and geometry (exercises, for master's students), Methods in tools in development of building environment (lectures for PhD students, block: mathematics).

- 2017/2018 academic year: Mathematics I, Mathematics II, Engineering mathematics II (exercises), Mathematics III (exercises, for master's students), Methods in tools in development of building environment (lectures for PhD students, block: mathematics).
- 2016/2017 academic year: Mathematics I, Mathematics II (exercises), Mathematics III (exercises for master's students), Engineering mathematics II (lectures).
- 2015/2016 academic year: Mathematics (for the students of the Faculty of Architecture), Engineering Mathematics I, Engineering mathematics II, Mathematics I, Mathematics II (all - exercises, undergraduates).

University of Sao Paulo (Brazil):

- 2014/2015 academic year, visiting professor, April 1 – June 30, 2015: An introduction to languages, semigroups and automata, a lecture course for master's and PhD students of the Department of Mathematics (IME-USP).

University of Ljubljana (Slovenia), Faculty of Information and Computer Science:

- 2013/2014 academic year: Mathematics, Linear algebra (exercises, undergraduate).
- 2012/2013 academic year: Probability and Statistics (lectures and exercises, undergraduate), Basics of probability and statistics, (exercises, undergraduate), Mathematical methods in computer science, a lecture course for postgraduate and PhD students: mathematical foundations of automata and languages.
- 2011/2012 academic year: Mathematics, Basics of probability and statistics (lectures, undergraduate), Mathematics II (lectures, for master's students).
- 2010/2011 academic year: Discrete structures, Linear algebra (exercises, undergraduate).

University of Nova Gorica (Slovenia):

- 2007/2008, 2008/2009 academic years: Mathematics, Linear algebra, lecture courses for undergraduate students.

Kyiv Taras Shevchenko University (Ukraine):

- 2007/2008 academic year: Highest algebra (undergraduate, lectures and exercises), Combinatorial applications of semigroups (lectures for master's students).
- 2006/2007 academic year: Mathematical logic, Discrete mathematics (exercises, undergraduate), Combinatorial semigroup theory, Automata and languages (lectures, undergraduate), Varieties of semigroups (scientific seminar, undergraduate), Linear algebra (lectures and exercises, undergraduate).
- 2005/2006 academic year: Algebra and number theory (lectures and exercises, undergraduate), Combinatorics on words, Semigroup theory, Introduction to algebra (lectures, undergraduate), Discrete mathematics (exercises, undergraduate).
- 2004/2005 academic year: Algebra and number theory (lectures and exercises, undergraduate), Profinite groups, Group theory, Transformation semigroups (lectures, undergraduate), Groups acting on trees (scientific seminar).
- 2003/2004 academic year: Linear algebra (lectures and exercises, undergraduate), Discrete mathematics (exercises, undergraduate), Profinite groups (lectures, for master's students).

- 2002/2003 academic year: Linear algebra (lectures and exercises, undergraduate), Algebra and number theory (exercises, undergraduate), Introduction to algebra (lectures, undergraduate).
- 2001/2002 academic year: Linear algebra, Algebra and number theory, Mathematical logic (exercises, undergraduate), Semigroup theory, Transformation semigroups (lectures, undergraduate).
- 2000/2001 academic year: Linear algebra, Algebra and number theory (exercises, undergraduate).
- 2004, 2005, 2006 — Advisor in pedagogical practice for Bachelor and Master Program students.

Thesis supervision:

- 2004 - 2007— Advisor in regular course thesis (6 students), Diploma thesis (5 students) and Master thesis (1 student), Kyiv University, Department of Mathematics.
- 2014 -2025 Advisor in Diploma thesis (14 students) Advisor in Master thesis (2 students), University of Ljubljana, Department of Mathematics (with the exception of one supervision in 2014 at the Department of Computer Science).
- 2024 - Advisor in Diploma thesis (6 students) and Advisor in Master thesis (1 student), ongoing.
- since 2023 – Advisor in PhD thesis for Ajda Lemut Furlani, ongoing.

Original research papers:

1. G. Kudryavtseva, Maximal nilpotent subsemigroups of the semigroup $IS(N)$, *Bull. of Kyiv University, Physical and Mathematical sciences*, **4** (1997), 98-103 (in Ukrainian).
2. O. Ganyushkin, G. Kudryavtseva, S. Temnikov, Groups of automorphisms of maximal nilpotent subsemigroups of the semigroup $IS(M)$, *Mathematical Studies*, **13** (2000), no.1, 11-22 (in Ukrainian).
3. G. Kudryavtseva, Lattices of ideals of finite nilpotent semigroups, *Bull. of Kyiv University, Physical and Mathematical Sciences*, **1** (2000), 47-55.
4. G. Kudryavtseva, G. Tsyaputa, Automorphisms of the the sandwich semigroups of the finite inverse symmetric semigroup, *Bull. of Kyiv University, Physical and Mathematical Sciences*, **14**, 2005, 101–105, (in Ukrainian), English translation on arXiv: math.GR/0509678.
5. G. Kudryavtseva, V. Mazorchuk, On presentations of Brauer-type monoids, *Cent. Eur. J. Math.*, **4** (2006), no. 3, 413–434.
6. G. Kudryavtseva, V. Maltcev, V. Mazorchuk, \mathcal{L} - and \mathcal{R} -cross-sections in the Brauer semigroup, *Semigroup Forum*, **72** (2006), 223–248.
7. G. Kudryavtseva, V. Maltcev, On representations of variants of semigroups, *Bull. Aus. Math. Soc.*, **73** (2006), 273–283.
8. G. Kudryavtseva, V. Mazorchuk, On conjugation in transformation and Brauer-type semigroups, *Publ. Math. Debrecen*, **70** (2007), 19–43.
9. G. Kudryavtseva, The structure of automorphism groups of semigroup inflations, *Algebra and Discrete Math*, **1** (2007), 62–67.

10. G. Kudryavtseva, V. Mazorchuk, On the semigroup of square matrices, *Alg. Colloq.*, **15** (2008), no. 1, 33–52.
11. G. Kudryavtseva, V. Mazorchuk, Schur-Weyl dualities for symmetric inverse semigroups, *J. Pure Appl. Algebra*, **212** (2008), 1987–1995.
12. G. Kudryavtseva, V. Mazorchuk, Partialization of categories and inverse braid-permutation monoid, *Internat. J. Algebra and Comput.*, Vol. 18, **6** (2008) 989–1017.
13. K. Cvetko-Vah, D. Kokol Bukovšek, T. Košir, G. Kudryavtseva, Ya. Lavrenyuk, A. Oliynyk, Semitransitive subsemigroups of the symmetric inverse semigroups, *Semigroup Forum*, **78** (2009), no. 1, 138–147.
14. G. Kudryavtseva, V. Mazorchuk, On three approaches to conjugacy in semigroups, *Semigroup Forum*, **78** (2009), no. 1, 14–20.
15. G. Kudryavtseva, V. Mazorchuk, Combinatorial Gelfand models for some semigroups and q -rook monoid algebras, *Proc. Edinb. Math. Soc. (2)*, **52** (2009), no. 3, 707–718.
16. G. Kudryavtseva, V. Mazorchuk, On Kiselman’s semigroup, *Yokohama Math. J.*, **55** (2009), no. 1, 21–46.
17. G. Kudryavtseva, Ordered semigroups, upper-triangular reflexive relations and semigroups of languages, *Internat. J. Algebra Comput.*, **20** (2010), no. 6, 823–832.
18. G. Kudryavtseva, V. Maltcev, Two generalizations of the symmetric inverse semigroups, *Publ. Math. Debrecen*, **78** (2011), no. 2, 253–282.
19. K. Cvetko-Vah, D. Kokol Bukovšek, T. Košir, G. Kudryavtseva, Semitransitive subsemigroups of the singular part of the finite symmetric inverse semigroup, *Acta Math. Hungar.*, **131** (2011), no. 1–2, 1–24.
20. G. Kudryavtseva, A refinement of Stone duality to skew Boolean algebras, *Algebra Universalis*, **67** (2012), 397–416.
21. G. Kudryavtseva, A dualizing object approach to non-commutative Stone duality, *J. Aust. Math. Soc.*, **95** (2013), 383–403.
22. A. Bauer, K. Cvetko-Vah, M. Gehrke, S. J. van Gool, G. Kudryavtseva, A non-commutative Priestley duality, *Topology Appl.*, **160** (12), (2013), 1423–1438.
23. G. Kudryavtseva, M. V. Lawson, The structure of generalized inverse semigroups, *Semigroup Forum*, **89**(1), (2014), 199–216.
24. G. Kudryavtseva, V. Maltcev, A. Umar, A presentation for the partial dual symmetric inverse monoid, *Comm. Algebra*, **43** (4) (2015), 1621–1639.
25. G. Kudryavtseva, Partial monoid actions and a class of restriction semigroups, *J. Algebra*, **429** (2015), 342–370.
26. G. Kudryavtseva, M. V. Lawson, The classifying space of an inverse semigroup, *Period. Math. Hungar.*, **70** (1) (2015), 122–129.
27. G. Kudryavtseva, V. Mazorchuk, On multiseigroups, *Portugaliae Mathematica*, **72** (1) (2015), 47–80.
28. G. Kudryavtseva, M. V. Lawson, Boolean sets, skew Boolean algebras and a non-commutative Stone duality, *Algebra Universalis*, **75** (2016), 1–19.
29. G. Kudryavtseva, M. V. Lawson, D. H. Lenz, P. Resende, Invariant means on Boolean inverse monoids, *Semigroup Forum*, **92** (2016), 77–101.
30. G. Kudryavtseva, J. Leech, Free skew Boolean algebras, *Internat. J. Algebra Comput.*, **26** (7) (2016), 1323 – 1348.

31. G. Kudryavtseva, P. Škraba, The principal bundles over an inverse semigroup, *Semigroup Forum* **94** (2017) (3), 674–695.
32. G. Kudryavtseva, M. V. Lawson, A perspective on non-commutative frame theory, *Adv. Math.* **311** (2017), 378–468.
33. M. Dokuchaev, V. V. Kirichenko, G. Kudryavtseva, M. Plakhotnyk, The max-plus algebra of exponent matrices of tiled orders, *J. Algebra* **490** (2017), 1–20.
34. G. Kudryavtseva, Free skew Boolean intersection algebras and set partitions, *Order*, **35** (2018) (1), 1–22.
35. G. Kudryavtseva, Two-sided expansions of monoids, *Internal. J. Algebra Comput*, **29** (2019) (8,) 1467–1498.
36. K. Auinger, G. Kudryavtseva, M. B. Szendrei, F -inverse monoids as algebraic structures in enriched signature, *Indiana Univ. Math. J.* **70** (2021) (5), 2107–2131.
37. M. Dokuchaev, M. Khrypchenko, G. Kudryavtseva, Partial actions and proper extensions of two-sided restriction semigroups, *J. Pure Appl. Algebra* **225** (2021) (9), 106649, 30 pp.
38. G. Kudryavtseva, Quotients of the Booleanization of an inverse semigroup, in *Semigroups, categories, and partial algebras*, Springer Proc. Math. Stat., **345**, Springer, Singapore (2021), 71–94.
39. G. Kudryavtseva, V. Laan, Proper Ehresmann semigroups, *Proc. Edinb. Math. Soc.* **66**(3), 2023, 758–788.
40. G. Kudryavtseva, V. Laan, Globalization of partial actions of semigroups, *Semigroup Forum* **107** (1), 2023, 2000–2017.
41. G. Kudryavtseva, Boolean inverse semigroups and their type monoids, in *Recent progress in ring and factorization theory*, Springer Proc. Math. Stat., **477**, Springer, Cham (2025), 315–341.
42. G. Kudryavtseva, A. Lemut Furlani, A new approach to universal F -inverse monoids in enriched signature, *Results Math.* **79** (2024), paper no. 260.
43. G. Kudryavtseva, Relating ample and biample topological categories with Boolean restriction and range semigroups, *Adv. Math.* **474**, (2025), paper no. 110313, 48pp.
44. G. Kudryavtseva, A. Lemut Furlani, F -birestriction monoids in enriched signature, *Bull. Malays. Math. Sci. Soc.* **48** (212) (2025), 36pp.

Preprints:

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