



# Cristina Acciarri

## Curriculum Vitae

Updated July 8, 2026

### Personal Information

Full Name Cristina Acciarri  
Date/Place of Birth 7<sup>th</sup> August 1982, San Benedetto del Tronto (AP), Italy  
Citizenship Italian  
Address Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, via Giuseppe Campi, 213/b - 41125 Modena, Italy  
e-mails [cristina.acciarri@unimore.it](mailto:cristina.acciarri@unimore.it)  
Website <https://acciarri.github.io> See also [my Institutional Webpage at UniMoRe](#)

### Academic appointments

11/2024–present **Associate Professor** in Algebra (ssd MATH-02/A) at the Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, Italy.  
11/2021–10/2024 **'Ricercatore RTDb'** (tenure track-Assistant Prof.) at the Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, Italy.  
01/2013–12/2024 **'Professor Adjunto'** (tenured - on leave without pay starting from 01/2022 until 12/2024) at the Department of Mathematics of the University of Brasilia, Brazil.  
11/2011–01/2013 **CNPq postdoctoral fellow**, Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq) at the University of Brasilia, Brazil.  
2007– 2010 **PhD student** at the University of L'Aquila (Italy) with a 3-years predoctoral grant.

### Qualifications - Habilitations

25/1/2023– 25/1/2035 **ASN Italian National Scientific Habilitation** - [Professore di I fascia](#) (Full Professor), MIUR, ssd MATH-02/A - Algebra, Italy.  
30/3/2018– 30/3/2029 **ASN Italian National Scientific Habilitation** - [Professore di II fascia](#) (Associate Professor), MIUR, ssd MATH-02/A - Algebra, Italy.  
12/03/2014-lifetime **Profesor Contratado Doctor**, PCD: 2014-789, Mathematics, Spanish Ministry for Education, Spain.  
12/03/2014-lifetime **Profesor Ayudante Doctor**, PAD: 2014-790, Mathematics, Spanish Ministry for Education, Spain.

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## Education

- 2007–2010 **PhD in Mathematics**, *University of L'Aquila, Department of Pure and Applied Mathematics*, L'Aquila, Italy, Supervisor: Prof. Gustavo A. Fernández Alcober (University of the Basque Country, Bilbao, Spain)  
Thesis Title: *Positive laws on large sets of generators and on word values in residually- $p$  groups*. (full text available at the following [researchgate link](#))
- Evaluation Excellent with “European PhD label” (highest possible grade in the Italian system), PhD thesis defended on 14/05/2010.
- 2004–2006 **Laurea Specialistica in Mathematics**, *University of Rome 'La Sapienza', Department of Mathematics "G. Castelnuovo"*, Rome, Italy, Advisor: Prof. Marialuisa J. de Resmini (University of Rome 'La Sapienza', Rome, Italy)  
Thesis Title: *Sul derivato in certi  $p$ -gruppi*.
- Final mark 110/110 e lode (highest possible grade in the Italian system with honors), MSc thesis defended on 26/09/2006.
- 2001–2004 **Laurea Triennale in Mathematics**, *University of Rome 'La Sapienza', Department of Mathematics "G. Castelnuovo"*, Rome, Italy, Advisor: Prof. Valentina Barucci (University of Rome 'La Sapienza', Rome, Italy)  
BSc Essay Title: *I solidi platonici e i sottogruppi finiti di  $SO_3$* .
- Final mark 110/110 e lode (highest possible grade in the Italian system with honors), BSc thesis defended on 1/12/2004.
- 1996–2001 **Maturità classica (high school)**, *Liceo Classico 'F. Stabili'*, Ascoli Piceno, Italy
- Final mark 100/100 (highest possible grade in the Italian system).

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## Research links

- ORCID <http://orcid.org/0000-0002-7895-7705>
- MathSciNet <https://mathscinet.ams.org/mathscinet/publications-search?query=auid%3A933258>
- Scopus <https://www.scopus.com/authid/detail.uri?authorId=40461096800>
- Researchgate <https://www.researchgate.net/profile/Cristina-Acciarri>
- arXiv <https://arxiv.org/search/?searchtype=author&query=Acciarri%2C+C>

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## Publications

35. Acciarri, C., Guralnick, R.M., Khukhro, E. and Shumyatsky, P., *Rank properties of commutators with elements of Carter subgroups of finite groups*, (2025), in preparation.
34. Acciarri, C., Guralnick, R.M., Khukhro, E. and Shumyatsky, P., *Rank type conditions on commutators in finite groups*, **Annali della Scuola Normale Superiore di Pisa, Classe di Scienze**, (2026) accepted, [forthcoming papers](#) - 21 pages.  
doi:[https://doi.org/10.2422/2036-2145.202501\\_002](https://doi.org/10.2422/2036-2145.202501_002) arXiv:2404.14599
33. Acciarri, C. and Shumyatsky, P., *Profinite groups with restricted centralizers of powers*, **Annali di Matematica Pura ed Applicata** (2026), to appear, published online.  
doi:<http://doi.org/10.1007/s10231-026-01704-1> arXiv:2602.18839
32. Acciarri, C. and Shumyatsky, P., *Coprime commutators in profinite groups*, **Revista Matemática Complutense** (2026), to appear, published online.  
doi:<http://doi.org/10.1007/s13163-026-00573-9> arXiv:2510.03754
31. Acciarri, C., Guralnick, R.M., Khukhro, E. and Shumyatsky, P., *Local-global generation property of*

*commutators in finite  $\pi$ -soluble groups*, **Journal of Algebra - Special Section on The memory of I.M. Isaacs**, 692C (2026), 519–549.

doi:<http://doi.org/10.1016/j.jalgebra.2025.12.020> arXiv:2505.03017

30. Acciarri, C. and Shumyatsky, P., *Varieties of groups and the problem on conciseness of words*, **Annali della Scuola Normale Superiore di Pisa, Classe di Scienze**, (2024) accepted, 23 pages.  
doi:[http://doi.org/10.2422/2036-2145.202306\\_017](http://doi.org/10.2422/2036-2145.202306_017) arXiv: 2308.02209
29. Acciarri, C., Guralnick, R.M. and Shumyatsky, P. (2023), *Criteria for solubility and nilpotency of finite groups with automorphisms*. **Bulletin of the London Mathematical Society**, 55: 1340–1346.  
doi:<http://doi.org/10.1112/blms.12794> Wiley's Article Share:link arXiv: 2206.03403
28. C. Acciarri, R.M. Guralnick and P. Shumyatsky. *Coprime automorphisms of finite groups*, **Transactions of the American Mathematical Society**, 375:7 (2022), 4549–4565.  
doi:<https://doi.org/10.1090/tran/8553> arXiv: 2108.00919
27. C. Acciarri and P. Shumyatsky. *Profinite groups with restricted centralizers of  $\pi$ -elements*, **Mathematische Zeitschrift**, 301(2022), 1039–1045.  
doi:<https://doi.org/10.1007/s00209-021-02955-9> SharedIt:link arXiv: 2107.00491
26. C. Acciarri and P. Shumyatsky. *A stronger form of Neumann's BFC-theorem*, **Israel Journal of Mathematics**, 242(2021), 269–278.  
doi:<https://doi.org/10.1007/s11856-021-2133-1> SharedIt:link arXiv: 2003.09933
25. C. Acciarri and A. Lucchini. *Genus, thickness and crossing number of graphs encoding the generating properties of finite groups*, **Discrete Mathematics**, 344(2021), 112289.  
doi:<https://doi.org/10.1016/j.disc.2021.112289> arXiv: 2003.02444
24. C. Acciarri and P. Shumyatsky. *On the rank of a finite group of odd order with an involutory automorphism*, **Monatshefte für Mathematik**, 194(2021), 461–469.  
doi:<http://dx.doi.org/10.1007/s00605-020-01479-4> SharedIt:link
23. C. Acciarri and A. Lucchini. *Graphs encoding the generating properties of a finite group*, **Mathematische Nachrichten**, 293(2020), 1644–1674.  
doi:<https://doi.org/10.1002/mana.201900144> arXiv: 1707.08348
22. C. Acciarri and D. Silveira. *Engel-like conditions in fixed points of automorphisms of profinite groups*, **Annali di Matematica Pura ed Applicata** 199(2020), 187–197.  
doi:<http://dx.doi.org/10.1007/s10231-019-00872-7> SharedIt: link arXiv:1902.08612
21. C. Acciarri and P. Shumyatsky. *On groups in which Engel sinks are cyclic*, **Journal of Algebra** 539(2019), 366–376.  
doi: <http://dx.doi.org/10.1016/j.jalgebra.2019.08.019> arXiv: 1905.07494
20. C. Acciarri, E. Khukhro and P. Shumyatsky. *Profinite groups with an automorphism whose fixed points are right Engel*, **Proceedings of the American Mathematical Society** 147(2019), 3691–3703.  
doi:<http://dx.doi.org/10.1090/proc/14519> arXiv:1808.04703
19. C. Acciarri and A. Lucchini. *The generating graph of infinite abelian groups*, **Bulletin of the Australian Mathematical Society** 100(2019), 68–75.  
doi:<http://dx.doi.org/10.1017/S0004972718001466> C.C.Share:link arXiv:1810.03508
18. C. Acciarri, D. Silveira and P. Shumyatsky. *Engel sinks of fixed points in finite groups*, **Journal of Pure and Applied Algebra** 223(2019), 4592–4601.  
doi:<http://dx.doi.org/10.1016/j.jpaa.2019.02.006> arXiv:1809.02733
17. C. Acciarri and D. Silveira. *Profinite groups and centralizers of coprime automorphisms whose elements are Engel*, **Journal of Group Theory** 21(2018), 485–509.  
doi:<http://dx.doi.org/10.1515/jgth-2018-0001> arXiv:1707.06889

16. C. Acciarri, D. Silveira and P. Shumyatsky. *On groups with automorphisms whose fixed points are Engel*, **Annali di Matematica Pura ed Applicata** 197(2018), 307–316.  
doi:<http://dx.doi.org/10.1007/s10231-017-0680-1> arXiv:1702.02899
15. C. Acciarri and P. Shumyatsky. *Coverings of commutators in profinite groups*, **Rendiconti del Seminario Matematico della Università di Padova** 137(2017), 237–257.  
doi:<http://dx.doi.org/10.4171/RSMUP/137-14> arXiv:1511.07843
14. C. Acciarri and P. Shumyatsky. *Commutators and commutator subgroups in profinite groups*, **Journal of Algebra** 473(2017), 166–182.  
doi:<http://dx.doi.org/10.1016/j.jalgebra.2016.11.001> arXiv:1408.5034
13. C. Acciarri and P. Shumyatsky. *Profinite groups and the fixed points of coprime automorphisms*, **Journal of Algebra** 452(2016), 188–195.  
doi:<http://dx.doi.org/10.1016/j.jalgebra.2016.01.010> arXiv:1703.00988
12. C. Acciarri and P. Shumyatsky. *On finite groups in which coprime commutators are covered by few cyclic subgroups*, **Journal of Algebra** 407(2014), 358–371.  
doi:<http://dx.doi.org/10.1016/j.jalgebra.2014.02.033> arXiv:1311.6148
11. C. Acciarri, P. Shumyatsky and A. Thillaisundaram. *Conciseness of coprime commutators in finite groups*, **Bulletin of the Australian Mathematical Society** 89(2014), 252–258.  
doi:<http://dx.doi.org/10.1017/S0004972713000361> arXiv:1303.1584
10. C. Acciarri and P. Shumyatsky. *Centralizers of coprime automorphisms of finite groups*, **Annali di Matematica Pura ed Applicata** 193(2014), 317–324.  
doi:<http://dx.doi.org/10.1007/s10231-012-0274-x> arXiv:1112.5880
9. C. Acciarri and P. Shumyatsky. *On words that are concise in residually finite groups*, **Journal of Pure and Applied Algebra** 218(2014), 130–134.  
doi:<http://dx.doi.org/10.1016/j.jpaa.2013.04.018> arXiv:1212.0581
8. C. Acciarri and P. Shumyatsky. *On profinite groups in which commutators are covered by finitely many subgroups*, **Mathematische Zeitschrift** 274(2013), 239–248.  
doi:<http://dx.doi.org/10.1007/s00209-012-1067-z> SharedIt: [link](#) arXiv:1112.5879
7. C. Acciarri and P. Shumyatsky. *Double automorphisms of graded Lie algebras*, **Journal of Algebra** 387(2013), 1–10.  
doi:<http://dx.doi.org/10.1016/j.jalgebra.2012.12.023> arXiv:1207.1323
6. C. Acciarri and P. Shumyatsky. *On verbal subgroups in finite and profinite groups*, **Algebra and Discrete Mathematics** 14(2012), 1–13. <http://mi.mathnet.ru/eng/adm80> arXiv:1703.00979.
5. C. Acciarri, G.A. Fernández-Alcober and P. Shumyatsky. *A focal subgroup theorem for outer commutator words*, **Journal of Group Theory** 15 (2012), 397–405.  
doi:<http://dx.doi.org/10.1515/JGT.2011.113> arXiv:1108.2284.
4. C. Acciarri, A. De Souza Lima and P. Shumyatsky. *Derived subgroups of fixed points in profinite groups*, **Glasgow Mathematical Journal** 54 (2012), 97–105.  
doi:<http://dx.doi.org/10.1017/S0017089511000383> arXiv:1108.0655.
3. C. Acciarri and P. Shumyatsky. *Fixed points of coprime operator groups*, **Journal of Algebra** 342 (2011), 161–174.  
doi:<http://dx.doi.org/10.1016/j.jalgebra.2011.06.013> arXiv:1108.0698.
2. C. Acciarri and G.A. Fernández-Alcober. *Positive laws on generators in powerful pro- $p$  groups*, on Ischia Group Theory 2010: Proceedings of the Conference on Group Theory, 2011 (10 pages).  
[https://www.worldscientific.com/doi/epdf/10.1142/9789814350051\\_0001](https://www.worldscientific.com/doi/epdf/10.1142/9789814350051_0001) arXiv:1108.0547.
1. C. Acciarri and G.A. Fernández-Alcober. *Positive laws on large sets of generators: counterexamples for*

*infinitely generated groups*, *Journal of the Australian Mathematical Society* 89 (2010), 289–296.  
doi:<http://dx.doi.org/10.1017/S1446788711001145> arXiv:1108.0692

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## Organizing

- 2024-2025 **'Finite and Profinite Groups' Session Co-organizer**, at RSME's 7th Congress of Young Researchers, UPV/EHU, Bilbao, Spain, [https://jovenes2025.rsme.es/index\\_en.html](https://jovenes2025.rsme.es/index_en.html)
- 2023-2024 **Group Theory Session Co-organizer**, at Algebra Latin-American Colloquium 2024, Pontificia Universidad Católica de Chile, Santiago de Chile, Chile, <https://cla2024.mat.uc.cl/>
- 2023-2024 **'Topics in Group Theory' Co-organizer**, a conference on the occasion of Andrea Lucchini 60th birthday, Dipartimento di Matematica 'Tullio Levi-Civita', University of Padova, Padova, Italy, <https://events.math.unipd.it/tgt/>
- 2022-2023 **Conference 'Finite and Residually Finite Groups' Co-organizer**, a conference in honor of 60th birthday of P. Shumyatsky, Bizkaia Aretoa UPV/EHU, Bilbao, Spain, <https://acciarri.cristina.wixsite.com/pavel60>
- 2020-2021 **Group Theory Session Co-organizer**, at 33<sup>rd</sup> Brazilian Mathematical Colloquium, IMPA, Rio de Janeiro, Brazil, [https://impa.br/en\\_US/eventos-do-imp/2021-2/33cbm/](https://impa.br/en_US/eventos-do-imp/2021-2/33cbm/)
- 2019-2020 **Conference 'XII Summer Workshop in Mathematics' Co-organizer**, Brasilia, Brazil, [https://www.mat.unb.br/verao2020/workshop\\_en.html](https://www.mat.unb.br/verao2020/workshop_en.html)
- 2019-2020 **'XLIX Summer School in Mathematics' Co-organizer**, Brasilia, Brazil, [https://www.mat.unb.br/verao2020/verao/verao\\_en.html](https://www.mat.unb.br/verao2020/verao/verao_en.html)
- 2019 **Group Theory Session Co-organizer**, at XXIII Algebra Latin-American Colloquium, Colegio Nacional, Mexico City, Mexico, <https://sites.google.com/view/grouptheoryatcla2019/home>
- 2017, 2019 **Algebra Seminar Organizer**, Departamento de Matemática, Universidade de Brasília, Brazil
- 2011 **Collaboration in the organisation**, conference EMS-RSME Joint Mathematical Weekend, Bilbao, Spain
- 2011 **Collaboration in the organisation**, conference New Trends in Group Theory 2011, CIEM, Castro-Urdiales, Spain

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## Grants, Scholarships and Funds

- 2026 INdAM-GNSAGA Research Projects 2026 Grant- code CUP E53C25002010001 for the project entitled "Gruppi di automorfismi di curve algebriche in caratteristica positiva", Coordinator: M. Timpanella, Participants: C. Acciarri, D. Bartoli, M. Giulietti, G. Zini
- 2025 ICTP-INdAM Collaborative Grant and Research in Pairs 2025 for a two-weeks stay at ICTP-Trieste with P. Shumyatsky, Italy
- 2023 INdAM-GNSAGA funds obtained for the organization of the conference "Topics in Group Theory", Padova, Italy
- since 2023 INdAM-GNSAGA funds obtained for attending conferences in Paestum (2023) and Salerno (2025), Italy

- 2023 Foundation Compositio Mathematica funds obtained for the organization of the conference "Topics in Group Theory ", Padova, Italy
- 2022 Foundation Compositio Mathematica funds obtained for the organization of the conference "Finite and Residually Finite Groups ", Bilbao, Spain
- 2021–2022 'Bolsa de Produtividade em Pesquisa' (Research and Productivity Grant), Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Principal Investigator, PQ-2 grant n.309989/2020-5 of R\$ 39.600 (Brazilian grants have no departmental overhead).- interrupted in 2022 for leaving license
- 2018–2021 'Bolsa de Produtividade em Pesquisa' (Research and Productivity Grant), Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Principal Investigator, PQ-2 grant n.304167/2017-7 of R\$ 39.600 (Brazilian grants have no departmental overhead).
- 03/2017-01/2018 'Bolsa de Pós-Doutorado Senior no exterior', Visiting Professor grant (sabbatical year) at Università degli Studi di Padova (Italy), CAPES-Brazil personal grant of € 26.510
- 2015–2018 'Bolsa de Produtividade em Pesquisa' (Research and Productivity Grant), Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Principal Investigator, PQ-2 grant n. 303651/2014-8 of R\$ 39.600 (Brazilian grants have no departmental overhead).
- 2014 'Incentivo à Produção Científica' (Research Grant), Fundação de Estudos em Ciências Matemáticas (FEMAT), Principal Investigator, grant of R\$ 5.000 (Brazilian grants have no departmental overhead).
- 2011–2013 CNPq Junior Postdoctoral Grant, Conselho Nacional de Desenvolvimento Científico e Tecnológico (CNPq), Principal Investigator, grant n. 500825/2011-4 of R\$ 53.600 at the University of Brasília, Brazil.
- 06/2011 Grant awarded by the 'Mathematisches Forschungsinstitut Oberwolfach' in order to attend the Oberwolfach Seminar: Algebraic Properties of Profinite Groups organised by MFO.
- 08/2007 Grant awarded by the 'Scuola Matematica Interuniversitaria' to attend the Summer Course in Algebra organized by SMI.
- 11/2006– 11/2009 Predoctoral grant, PhD student at the Università degli Studi di L'Aquila (L'Aquila, Italy), three years grant.

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## Coordination of research projects

- Project title **Grafos, coberturas, endomorfismos virtuais e propriedades residuais de grupos**, (*Demanda Espontânea 03/2018- N. 22474.93.35580.0205/2018*)
- Period from 1/08/2019 to 22/02/2022
- Institutions University of Brasília
- Scientist in charge C. Acciarri (University of Brasília, Brazil - 5 members - R\$70.000)
- Funder FAPDF- Fundação de Apoio à Pesquisa do Distrito Federal, Brazil

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## Membership of research projects

- Project title **Grupos Abstratos e Topologicos**, (*Project CNPq*)
- Period from 18/11/2025 to 30/11/2028
- Institutions University of Brasília

Scientist in charge P. Shumyatsky (University of Brasilia, Brazil - 10 members)  
 Funder CNPq- Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil

Project title **Grupos Finitos e Profinitos**, (*Eital MCTI/CNPq nº 16/2024- Project N.401532/2024-0 - CNPq*)  
 Period from 1/01/2025 to 31/12/2026  
 Institutions University of Brasilia

Scientist in charge P. Shumyatsky (University of Brasilia, Brazil - 15 members)  
 Funder CNPq- Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil

Project title **Grupos Profinitos**, (*Editai 10/2023 Universal- Project N.401998/2023-1 - CNPq*)  
 Period from 1/12/2023 to 30/11/2026  
 Institutions University of Brasilia

Scientist in charge P. Zalesskii (University of Brasilia, Brazil - 10 members)  
 Funder CNPq- Conselho Nacional de Desenvolvimento Científico e Tecnológico, Brazil

Project title **Grupos e automorfismos**, (*Demanda Espontânea N. 22565.93.27419.0205/2018*)  
 Period from 1/08/2019 to 31/07/2021  
 Institutions University of Brasilia

Scientist in charge P. Shumyatsky (University of Brasilia, Brazil)  
 Funder FAPDF- Fundação de Apoio à Pesquisa do Distrito Federal, Brazil

Project title **Grupos Profinitos**, (*Demanda Espontânea N. 15816.78.28134.2504/2017*)  
 Period from 1/11/2017 to 31/10/2019  
 Institutions University of Brasilia

Scientist in charge P. Zalesskii (University of Brasilia, Brazil)  
 Funder FAPDF- Fundação de Apoio à Pesquisa do Distrito Federal, Brazil

Project title **Estruturas Algébricas**, (*Demanda Espontânea N. 9610.56.28932.0604/2016*)  
 Period from 1/12/2016 to 30/11/2019  
 Institutions University of Brasilia

Scientist in charge N. Romeu Rocco (University of Brasilia, Brazil)  
 Funder FAPDF- Fundação de Apoio à Pesquisa do Distrito Federal, Brazil

Project title **Grupos Finitos e Profinitos**, (*Demanda Espontânea N. 0193.000842/2015*)  
 Period from 1/11/2015 to 31/10/2017  
 Institutions University of Brasilia

Scientist in charge P. Shumyatsky (University of Brasilia, Brazil)  
 Funder FAPDF- Fundação de Apoio à Pesquisa do Distrito Federal, Brazil

Project title **Combinatorial methods in the theory of profinite groups**, (*Programa Geral de Cooperação Internacional CAPES/project 051/14*)  
 Period from 1/03/2015 to 31/12/2016  
 Institutions University of Milan - Bicocca, University of Brasilia

Scientists in charge T. Weigel (University of Milan -Bicocca, Italy), P. Zalesskii (University of Brasilia, Brazil)

Funder Spanish Ministry of Economy and Competitiveness

Project title **Grupos, representaciones y geometría**, (*MTM2014-53810-C2-2-P*)

Period from 1/01/2015 to 31/12/2017

Institutions Autonomous University of Madrid, University of the Basque Country

Scientists in charge A. Jaikin-Zapirain (Autonomous University of Madrid, Spain), G.A. Fernández-Alcober (University of the Basque Country, Spain)

Funder Spanish Ministry of Economy and Competitiveness

Project title **Grupos Profinitos e Residualmente Finitos**, *CAPES/DGU/projeto 304/13*

Period from 01/04/2013 to 31/12/2016

Institutions Autonomous University of Madrid, University of the Basque Country, University of Brasilia

Scientist in charge P. Shumyatsky (University of Brasilia, Brazil), G.A. Fernández-Alcober (University of the Basque Country, Spain), A. Jaikin-Zapirain (Autonomous University of Madrid, Spain)

Funder CAPES- Brazil, Spanish Ministry of Science and Innovation

Project title **Grupos, caracteres y combinatoria algebraica**, (*MTM 2011-28229-C02-02*)

Period from 1/4/2012 to 31/12/2015

Institutions Autonomous University of Madrid, University of the Basque Country

Scientists in charge A. Jaikin-Zapirain (Autonomous University of Madrid, Spain), G.A. Fernández-Alcober (University of the Basque Country, Spain)

Funder Spanish Ministry of Science and Innovation

Project title **Pro- $p$  gruppi e algebre di Lie, gruppi finiti, rappresentazioni**, (*PRIN Project*)

Period from 22/3/2010 to 22/9/2012

Institutions University of L'Aquila, University of Rome 'La Sapienza', University of Trento

Scientist in charge C.M. Scoppola (University of L'Aquila, Italy)

Funder Italian Ministry of Education, University and Research

Project title **Grupos, caracteres y combinatoria algebraica**, (*MTM 2008 - 06680 - C02*)

Period from 1/1/2009 to 31/12/2011

Institutions Autonomous University of Madrid, University of the Basque Country

Scientists in charge A. Jaikin-Zapirain (Autonomous University of Madrid, Spain), G.A. Fernández-Alcober (University of the Basque Country, Spain)

Funder Spanish Ministry of Science and Innovation

Project title **Gruppi, Algebre di Lie, Crittografia**, (*PRIN Project*)

Period from 10/2/2007 to 9/2/2009

Institutions University of L'Aquila, University of Rome 'La Sapienza', University of Trento

Scientist in charge C.M. Scoppola (University of L'Aquila, Italy)

Funder Italian Ministry of Education, University and Research

## Invited talks and minicourses at International Conferences

- TBA, 2nd Joint Meeting Brazil - Italy in Mathematics, Messina (Italy), September 7<sup>th</sup>- 11<sup>th</sup> 2026, Special

## Session Group Theory and Applications

<https://umi.dm.unibo.it/jm-ita-bra-2026/special-sessions/>

- *On Lie ring methods in group theory*, invited minicourse at "Brazilian Algebra Meeting 2026", ICMC-USP Brazil, June 29<sup>th</sup>- July 3<sup>rd</sup> 2026  
<https://algebra2026.icmc.usp.br>
- *Rank type conditions on commutators in finite groups*, INdAM Workshop "Old and New Trends in Mathematical Collaboration between Brazil and Italy, Roma (Italy), June 23<sup>rd</sup>- 27<sup>th</sup> 2025  
<https://sites.google.com/view/indamwrome25/home?authuser=0>
- *Rank type conditions on commutators in finite groups*, Topics in Group Theory - on the occasion of A. Lucchini 60th(+) birthday, Padova (Italy), September 10<sup>th</sup>- 13<sup>th</sup> 2024  
<https://events.math.unipd.it/tgt/>
- *On groups with automorphisms whose fixed points satisfy Engel-like conditions*, 10 Years of Algebra at Lincoln, University of Lincoln and online, June 12<sup>th</sup>- 14<sup>th</sup> 2024  
<https://ysantosrego.github.io/files/EK-Algebra10/>
- *On conciseness of words in residually finite groups*, the 2023 Ural Workshop on Group Theory and Combinatorics, Ural Federal University, Yekaterinburg, Russia (online), August 21<sup>st</sup>-27<sup>th</sup> 2023  
<http://2023uwgtc.imm.uran.ru>
- *Sulle parole concise nei gruppi residualmente finiti*, Teoria dei gruppi a Paestum, Paestum (SA), Italy, July 6<sup>th</sup>-7<sup>th</sup> 2023 <https://sites.google.com/unisa.it/tdgpaestum>
- *Coprime automorphisms of finite groups*, Finite and Residually Finite Groups -a conference in honor of 60th birthday of P. Shumyatsky, Bilbao, Spain, June 20<sup>th</sup>-23<sup>rd</sup> 2023 <https://acciarri.cristina.wixsite.com/pavel60>
- *Coprime automorphisms of finite groups*, Advances in Group Theory and Applications 2023, Lecce, June 5<sup>th</sup>-9<sup>th</sup> 2023 <https://www.advgrouptheory.com/agta2023/index.html>
- *On profinite groups with restricted centralizers of  $\pi$ -elements*, The AI@Bicocca Flash Workshop - Two days of Algebra in Bicocca, University of Milano-Bicocca, February 27<sup>th</sup>-28<sup>th</sup> 2023  
<https://sites.google.com/unimib.it/algebra-in-bicocca-english/algebra-seminar>
- *Coprime automorphisms of finite groups*, Ischia Group Theory 2022, Ischia (Italy), June 20<sup>th</sup>- 25<sup>th</sup> 2022.
- *A stronger version of Neumann's BFC-theorem*, Groups in Galway 2021, (online at ZOOM), December 2<sup>nd</sup> 2021 <https://torossmann.github.io/gig21/>
- *A stronger version of Neumann's BFC-theorem*, GOTHIC -Ischia Online Group Theory Conference, (online at ZOOM), March 4<sup>th</sup> 2021  
<https://sites.google.com/unisa.it/e-igt2020/winter-semester-2021>
- *Graphs encoding the generating properties of a finite group*, Ischia Group Theory 2018, Ischia (Italy), March 19<sup>th</sup>- 23<sup>rd</sup> 2018.
- *Groups with automorphisms whose fixed points satisfy Engel-like conditions.*, First Joint UMI-SIMAI-PTM meeting, Wroclaw (Poland), September 17<sup>th</sup>- 20<sup>th</sup> 2018.
- *Graphs encoding the generating properties of a finite group*, II Joint Meeting Spain-Brazil in Mathematics RSME-SEMA-SBM-SBMAC, Cádiz (Spain), December 11<sup>th</sup>- 14<sup>th</sup> 2018.
- *Coverings of commutators in profinite groups*, Ischia Group Theory 2016, Ischia (Italy), March 29<sup>rd</sup>- April 2<sup>nd</sup> 2016.
- *Profinite groups and the fixed points of coprime automorphisms.*, II Congresso Brasileiro de Jovens Pesquisadores em Matemática Pura e Aplicada, Campinas, December 5<sup>th</sup>-7<sup>th</sup> 2016.
- *Coverings in finite and profinite groups*, II Workshop in Groups and Algebras, Belo Horizonte (Brazil),

July 6<sup>th</sup>– 8<sup>th</sup> 2015.

- *On words that are concise in residually finite groups*, Ischia Group Theory 2014, Ischia (Italy), April 1<sup>st</sup>–5<sup>th</sup> 2014.
- *Positive laws on generators in  $p$ -adic analytic pro- $p$  groups*, 29<sup>o</sup> Colóquio Brasileiro de Matemática- IMPA, Rio de Janeiro (Brazil), July 21<sup>st</sup>– August 2<sup>nd</sup> 2013.
- *On verbal subgroups in finite and profinite groups*, XIX Coloquio Latinoamericano de Algebra, Pucón (Chile), December 11<sup>th</sup>–14<sup>th</sup> 2012.
- *Fixed points of coprime automorphisms of finite groups*, XXII Brazilian Algebra Meeting, Salvador (Brazil), July 15<sup>th</sup>–20<sup>th</sup> 2012.

## Other talks

- *Varieties of groups and the problem on conciseness of words*- **invited**, Algebra Seminar, University of Trento, June 25<sup>th</sup> 2024
- *On conciseness of words in residually finite groups*- **invited**, Algebra and Geometry Seminar, University of L'Aquila, October 26<sup>th</sup> 2023
- *On profinite groups with restricted centralizers of  $\pi$ -elements* - **invited**, Algebra Seminar, University of Lincoln, Lincoln (online at ZOOM), March 29<sup>th</sup> 2023  
<https://algebra-lincoln.org/2023/03/29/algebra-seminar-talk-by-cristina-acciarri/>
- *On profinite groups with restricted centralizers of  $\pi$ -elements* - **invited**, Ural Seminar on Group Theory and Combinatorics, Ural Federal University, Yekaterinburg (online at BBB), March 14<sup>th</sup> 2023  
<http://uwgtc.imm.uran.ru>
- *On profinite groups with restricted centralizers of  $\pi$ -elements*, Algebra Seminar, University of Padova, May 12<sup>th</sup> 2022
- *Una versione più forte del BFC-teorema di Neumann*, welcoming seminar for researchers recently hired, University of Modena and Reggio Emilia, April 7<sup>th</sup> 2022.
- *Uma versão mais forte do BFC-Teorema de Neumann* - **invited**, Semana Temática de Álgebra do Programa de Verão PGMAT-UFBA - 2022, Federal University of Bahia, February 3<sup>rd</sup> 2022
- *A stronger version of Neumann's BFC-theorem* - **invited**, Algebra, Combinatorics and Number Theory Seminar, University of Porto, October 26<sup>th</sup> 2021
- *A stronger version of Neumann's BFC-theorem* - **invited**, Seminário de Álgebra IMECC-UNICAMP, University of Campinas, October 26<sup>th</sup> 2021
- *On graphs encoding the generating properties of groups*, XI Summer Workshop in Mathematics, Brasilia, February 18<sup>th</sup>–22<sup>nd</sup> 2019.
- *Graphs encoding the generating properties of a finite group*, International Congress of Mathematicians 2018, Rio de Janeiro, August 1<sup>st</sup>–9<sup>th</sup> 2018.
- *On groups with automorphisms whose fixed points are Engel*, Advances in Group Theory and Applications 2017, Lecce, September 5<sup>th</sup>–8<sup>th</sup> 2017.
- *Graphs encoding the generating properties of a finite group*, Groups St Andrews 2017, Birmingham, August 5<sup>th</sup>–13<sup>th</sup> 2017.
- *Profinite groups and the fixed points of coprime automorphisms*, Groups, Rings, and their Automorphisms – Conference in Honor of Evgeny Khukhro, Lincoln, August 31<sup>st</sup>– September 2<sup>nd</sup> 2016.
- *Coverings of commutators in profinite groups*, First joint meeting Brazil-Spain in Mathematics, Fortaleza, December 5<sup>th</sup>–10<sup>th</sup> 2015.

- *Coverings in finite and profinite groups*, Lie and Jordan Algebras, Their Representations and Applications VI - conference in honor of Efim Zelmanov, Bento Gonçalves, December 13<sup>th</sup>–19<sup>th</sup> 2015.
- *On concise words in residually finite groups*, XX Coloquio Latinoamericano de Algebra, Lima, December 8<sup>th</sup>–12<sup>th</sup> 2014.
- *Fixed points of coprime automorphisms of finite groups*, Ischia Group Theory 2012, Ischia, March 26<sup>th</sup>–29<sup>th</sup> 2012.
- *Focal subgroups and outer commutator words*, Seminario de Algebra, Universidade de Brasília, Brasília, 2<sup>nd</sup> December 2011.
- *Focal subgroups and outer commutator words*, EMS-RSME Joint Mathematical Weekend, Bilbao, October 7<sup>th</sup>–9<sup>th</sup> 2011.
- *Focal subgroups and words*, seminar of the Departamento de Matemáticas, Universidad de Murcia, 2<sup>nd</sup> June 2011.
- *Focal subgroups and words*, New Trends in Group Theory 2011, CIEM, Castro-Urdiales, May 17<sup>th</sup>–20<sup>th</sup> 2011.
- *Positive laws on large sets of generators in residually- $p$  groups*, Seminaire Georges Reeb – Algèbre, Algèbres de Lie et Géométrie Différentielle, LMIA Université de Haute Alsace, Mulhouse, 8<sup>th</sup> March 2011. ○ *Positive laws on large sets of generators*, Algebra Seminar, UnB, Brasília 19<sup>th</sup> November 2010.
- *Positive laws on large sets of generators in residually- $p$  groups: finitely generated vs infinitely generated*, Groups and Their Actions, Bedlewo (Poznan), August 23<sup>rd</sup>–28<sup>th</sup> 2010.
- *Leyes positivas en conjuntos ‘grandes’ de generadores y en los valores de una palabra en grupos residualmente- $p$* , VIII Encuentro en Teoría de Grupos, University of the Basque Country, Bilbao, June 17<sup>th</sup>–19<sup>th</sup> 2010.
- *Positive laws on large sets of generators*, Groups St Andrews 2009 in Bath, University of Bath, Bath, August 1<sup>st</sup>–15<sup>th</sup> 2009.
- *Leyes positivas en grupos*, 25 años de álgebra en la UPV/EHU, University of the Basque Country, Bilbao, May 28<sup>th</sup>–29<sup>th</sup> 2009.
- *Positive laws on large sets of generators in residually- $p$  groups: finitely generated vs infinitely generated*, The Postgraduate GT Conference 2009, University of Manchester, Manchester, April 15<sup>th</sup>–17<sup>th</sup> 2009.
- *Positive laws on large sets of generators: some questions*, Infinite Group Theory, University of Edinburgh, Edinburgh, December 10<sup>th</sup>–12<sup>th</sup> 2008.
- POSTER -*Focal subgroups and outer commutator words*, EMS-RSME Joint Mathematical Weekend, Bilbao, October 7<sup>th</sup>–9<sup>th</sup> 2011.
- POSTER- *Focal subgroups and words*, Encuentro en Teoría de grupos y sus aplicaciones - on the occasion of the 60-th birthday of Prof. Javier Otal, Zaragoza, June 10<sup>th</sup>–11<sup>th</sup> 2011.
- POSTER -*Positive laws on large sets of generators and on word values*, Ischia Group Theory 2010, Ischia (Naples), April 14<sup>th</sup>–17<sup>th</sup> 2010.

## Other conferences and courses attended

- *Ischia Group Theory 2026*, Ischia (Naples), April 13<sup>th</sup>–17<sup>th</sup> 2026
- *Groups, codes and cryptography: a conference for Francesca Dalla Volta*, Milano, July 3<sup>rd</sup>–4<sup>th</sup> 2025
- *Group Theory in Salerno: a conference in honor of P. Longobardi and M. Maj*, Salerno, March 12<sup>th</sup>–15<sup>th</sup> 2025
- *Ischia Group Theory 2024*, Ischia (Naples), April 8<sup>th</sup>–13<sup>th</sup> 2024

- *Topics in Algebra, a conference in honor of A. Caranti and C.M. Scoppola*, Trento, September 1<sup>st</sup>–2<sup>nd</sup> 2022
- *16th Jerusalem Midrasa Mathematicae, on Words and Growth*, Institute for Advanced Studies at the Hebrew University, Jerusalem, June 10<sup>th</sup>–15<sup>th</sup> 2012
- *Oberwolfach Seminar: Algebraic Properties of Profinite Groups*, Mathematisches Forschungsinstitut Oberwolfach, Oberwolfach-Walke, June 12<sup>th</sup>–18<sup>th</sup> 2011.
- *Series of mini-courses at the conference GAGTA 5 - Geometric and Asymptotic Group Theory with Applications*, Universitat Politècnica de Catalunya, Manresa, July 5<sup>th</sup>–8<sup>th</sup> 2011.
- *Encuentro en teoría de grupos y sus aplicaciones* - on the occasion of the 60-th birthday of Prof. Javier Otal, University of Zaragoza, Zaragoza, June 10<sup>th</sup>–11<sup>th</sup> 2011.
- *Workshop INdAM* INdAM - University of Rome “La Sapienza”, Rome, May 24<sup>th</sup>–28<sup>th</sup> 2010.
- *Ischia Group Theory 2010*, Ischia (Naples), April 14<sup>th</sup>–17<sup>th</sup> 2010.
- *Group Theory* - a joint meeting of the Edinburgh Mathematical Society and the London Mathematical Society, University of Edinburgh, Edinburgh, December 12<sup>th</sup>–13<sup>th</sup> 2008.
- *Algebraic groups and related topics* LMS/EPSRC short instructional course, University of Birmingham, Birmingham, September 15<sup>th</sup>–19<sup>th</sup> 2008.
- *Interactions towards secure communication*, CIEM, Castro-Urdiales, May 15<sup>th</sup>–16<sup>th</sup> 2008.
- *Workshop ‘The Algebraic Structure of Profinite Groups’*, Royal Holloway- University of London, London, April 7<sup>th</sup>–8<sup>th</sup> 2008.
- *Teoria dei gruppi e applicazioni*, University of Florence, Florence, December 12<sup>th</sup>–14<sup>th</sup> 2007.
- *CIRM-Clay-INdAM/GNSAGA conference ‘Profinite and Asymptotic Group Theory*, Levico Terme (Trento), September 16<sup>th</sup> – 21<sup>st</sup> 2007.
- *1<sup>st</sup> GNAMPA Summer School De Ludo Aleae* Rome, September 10<sup>th</sup>–14<sup>th</sup> 2007.
- *Summer Course in Mathematics* - Course in Algebra, SMI, Cortona, August 13<sup>th</sup>–31<sup>st</sup> 2007.

## Teaching

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|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Instructor</b>   | at Department of Physics, Informatics and Mathematics, <b>Università degli Studi di Modena e Reggio Emilia</b> (Italy)                                                                                         |
| academic year 25-26 | <i>Strutture algebriche</i> (graduate course MN1-512, 42 hours)<br><i>Fondamenti di algebra e geometria</i> (graduate course M263-065, 21 hours)<br><i>Algebra A</i> (undergraduate course MN1-1030, 72 hours) |
| academic year 24-25 | <i>Algebra superiore</i> (graduate course MN1-306, 42 hours)<br><i>Fondamenti di algebra e geometria</i> (graduate course M263-065, 21 hours)<br><i>Algebra A</i> (undergraduate course MN1-1030, 72 hours)    |
| academic year 23-24 | <i>Strutture algebriche</i> (graduate course MN1-512, 28 hours)<br><i>Algebra A</i> (undergraduate course MN1-1030, 72 hours)                                                                                  |
| academic year 22-23 | <i>Algebra superiore</i> (graduate course MN1-306, 36 hours)<br><i>Matematica</i> (undergraduate course SB-25/B-47, 56 hours)                                                                                  |
| academic year 21-22 | <i>Strutture algebriche</i> (graduate course MN1-512, 36 hours)<br><i>Geometria e Algebra Lineare</i> (undergraduate course MECC-2, 20 hours)                                                                  |

**Instructor** at Department of Mathematics, **EHU/UPV Universidad del País Vasco**, Bilbao (Spain)

academic year 2023 *On Lie ring methods in group theory* (PhD course in English, 10 hours)

**Instructor** at Department of Mathematics, **Università degli Studi di Padova** (Italy)

academic year 2017 *On Lie ring methods in group theory* (PhD course in English, 16 hours)

**Instructor** at Department of Mathematics, **Universidade de Brasília** (Brazil)

1st semester 2021 *Introduction to Linear Algebra* (undergraduate course 113093, 60 hours)  
*Algebra 1* (undergraduate course 113107 A, 60 hours)

2nd semester 2020 *Introduction to Linear Algebra* (undergraduate course 113093, 60 hours)  
*Algebra 1* (undergraduate course 113107 A, 60 hours)

1st semester 2020 *Algebra 1* (undergraduate course 113107 A, 60 hours)

2nd semester 2019 *Algebra 1* (undergraduate course 113107 B, 60 hours)

1st semester 2019 *Introduction to Linear Algebra* (undergraduate course 113093, 60 hours)  
*Algebra 1* (undergraduate course 113107 B, 60 hours)

2nd semester 2018 *Lie Methods in Group Theory* (PhD course in English, 60 hours)  
*Algebra 1* (undergraduate course 113107, 60 hours)

1st semester 2018 *Group Theory 2* (Master course 313386, 60 hours)  
*Algebra 1* (undergraduate course 113107 B, 60 hours)

academic year 2017 sabbatical year spent at UNIPD - Padova, Italy

2nd semester 2016 *Algebra 1* (undergraduate course 113107 B&C, 60 hours each) – 2 courses

1st semester 2016 *Introduction to Linear Algebra* (undergraduate course 113093, 75 hours)  
*Group Theory 2* (Master course 313386, 60 hours)

2nd semester 2015 *Introduction to Linear Algebra* (undergraduate course 113093, 75 hours)

1st semester 2015 *Algebra 1* (undergraduate course 113107 B, 60 hours)  
*Group Theory 2* (Master course 313386, 60 hours)

2nd semester 2014 *Introduction to Linear Algebra* (undergraduate course 113093, 75 hours)  
*Algebra 1* (undergraduate course 113107 B, 60 hours)

1st semester 2014 *Introduction to algebra* (Master course, 60 hours)  
*Introduction to Linear Algebra* (undergraduate course 113093, 75 hours)

2nd semester 2013 *Introduction to Linear Algebra* (undergraduate course 113093, 75 hours)  
*Calculus III* (undergraduate course 113051, 75 hours)

1st semester 2013 *Algebra 1* (undergraduate course 113107 B, 60 hours)  
*Calculus III* (undergraduate course 113051, 75 hours)

main advisor, unless otherwise specified

- 2026 **Alessia Gualano, MSc in Mathematics**, University of Modena and Reggio Emilia, Tentative thesis title: *On Frobenius Groups*, expected July 2026.
- Francesco Ripesi, BSc in Mathematics**, University of Modena and Reggio Emilia, Tentative Thesis title: *Group-Based Cryptography*, expected September 2026.
- Co-advisor for Noela Krasenski, MSc in Mathematics**, University of Modena and Reggio Emilia, Thesis title: *TBA*, expected spring semester 2027, Main advisor: C. Giberti.
- Co-advisor for Michela Garagnani, MSc in Mathematics**, University of Modena and Reggio Emilia, Thesis title: *Differenze di genere e didattica laboratoriale in matematica: dalla progettazione della mostra "Women of Mathematics from Around the World" alla sperimentazione di un approccio laboratoriale per favorire l'equità nell'apprendimento della matematica*. Main advisor: C. Giberti.
- 2025 **Daniele Ruini, MSc in Mathematics**, University of Modena and Reggio Emilia, Thesis title: *The Inverse Galois Problem*.
- Co-advisor for Agnese Zironi, MSc in Mathematics**, University of Modena and Reggio Emilia, Thesis title: *Rappresentazioni femminili nella matematica contemporanea: dal progetto internazionale "Women in Math" alla mostra ampliata di Modena come iniziativa di public engagement*. Main advisor: C. Giberti
- 2024 **Roberto Roversi, BSc in Mathematics**, University of Modena and Reggio Emilia, Thesis title: *Commuting Probability in Finite Groups*.
- 2020 **João Pedro Papalardo Azevedo, MSc in Mathematics**, University of Brasilia, Thesis title: *Finite Groups of Bounded Rank Admitting an Almost Regular Automorphism: a Lie-Theoretic Approach*, with CAPES grant.
- Mateus Figueiredo de Souza, MSc in Mathematics**, University of Brasilia, Thesis title: *Centralizadores em Grupos de Torção Residualmente Finitos. Um estudo via Métodos de Lie.*, with CAPES grant.
- 2018 **Co-advisor for Danilo S. da Silveira, PhD in Mathematics**, University of Brasilia. Thesis title: *Grupos com automorfismos cujos pontos fixos são Engel*, with CAPES grant. Main advisor: P. Shumyatsky.
- 2017 **Sara Raissa Silva Rodrigues, MSc in Mathematics**, University of Brasilia. Thesis title: *Sobre grupos finitos e profinitos quase-Engel*, with CAPES grant.
- 2016 **Jéssyca Cristine Lima de Souza, MSc in Mathematics**, University of Brasilia. Thesis title: *Involuções e seu centralizadores em grupos finitos*, with CNPq grant.
- João Pedro Papalardo Azevedo**, "Iniciação científica em álgebra", undergraduate independent supervised study with FAPDF grant, University of Brasilia.
- 2015 **Rebeca Chuffi Saccochi, MSc in Mathematics**, University of Brasilia. Thesis title: *Grupos central-por-finito: coberturas de grupos e un problema de P. Erdos*, with CNPq grant
- 2014 **Leandro Araújo Castro, MSc in Mathematics**, University of Brasilia. Thesis title: *Generalizando um teorema de P. Hall sobre grupos finitos-por-nilpotentes*, with CNPq grant.

**José Vitor Paiva Miranda de Siqueira**, “Iniciação científica em álgebra”, undergraduate independent supervised study with UnB grant, University of Brasília.

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## Editorial and review activities

### 1. Editorial activities

2021-pres Editorial Board Member for *Matemática Contemporânea* (a SBM journal)  
<https://link.springer.com/journal/44425?srsltid=AfmB0orJ6AjIYM0Uhbhr-Goal8KVD8LferTZaUtdjQrPMLxnn7ciAgcX>

### 2. International peer reviewed journal activities for the following journals:

2012- pres Bulletin of the Brazilian Mathematical Society, Journal of Algebra, Journal of Algebra and its Applications, Journal of Pure and Applied Algebra, Communications in Algebra, Glasgow Mathematical Journal, Communications in Mathematics, Journal of Group Theory, Archiv der Mathematik, Bollettino della Unione Matematica Italiana, International Journal of Group Theory, Rendiconti del Seminario Matematico della Università di Padova, Filomat (Univerzitet u Nishu)

### 3. Grant review activities

2015- pres CNPq -Brazil, CAPES - Brazil, FAPDF - Brazil

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## Research visits

Institution **ICTP**, Trieste, Italy

Periods from 22<sup>nd</sup> September to 5<sup>th</sup> October 2025 (2 weeks).

Institution **Universidade de Brasília (UnB)**, Brasília, Brazil

Periods from 12<sup>th</sup> July to 4<sup>th</sup> August 2024 (3 weeks).

Institution **Università degli Studi di Padova (UniPD)**, Padova, Italy

Periods from 26<sup>th</sup> to 29<sup>th</sup> March and from 23<sup>rd</sup> to 26<sup>th</sup> April 2026 (1 week).

from 5<sup>th</sup> to 13<sup>th</sup> June 2025 (1 week).

from 8<sup>th</sup> to 14<sup>th</sup> November 2023 (1 week).

from 11<sup>th</sup> to 23<sup>rd</sup> May 2022 (2 weeks).

from 21<sup>st</sup> September to 5<sup>th</sup> October, from 15<sup>th</sup> to 20<sup>th</sup> December 2019 (3 weeks).

from March 2017 to January 2018 (11 months, sabbatical year).

from 10<sup>th</sup> January to 22<sup>nd</sup> January 2016 (2 weeks).

Institution **Universidad del País Vasco (EHU/UPV)**, Bilbao, Spain

Periods from 2<sup>nd</sup> to 23<sup>rd</sup> May 2023 (3 weeks).

from 30<sup>th</sup> September to 22<sup>nd</sup> October 2017 (3 weeks).

from 10<sup>th</sup> January to 4<sup>th</sup> April 2010 (12 weeks).

from 27<sup>th</sup> September to 21<sup>st</sup> December 2009 (12 weeks).

from 7<sup>th</sup> March to 6<sup>th</sup> July 2009 (17 weeks).

from 2<sup>nd</sup> September to 21<sup>st</sup> December 2008 (16 weeks).

from 6<sup>th</sup> March to 30<sup>th</sup> June 2008 (17 weeks).

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## Administrative and Academic Duties

- 2025 - pres **Vice-coordinator for the PhD Program in Mathematics**, joint program of the University of Parma, University of Ferrara and University of Modena and Reggio Emilia, <https://www.mathphd.unimore.it/>
- 2025 - pres **Member of the Research Committee**, Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, <https://fim.unimore.it/it/ricerca/commissione-ricerca>
- 2024 - pres **Member of the Faculty-Student Joint Committee**, Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, <https://fim.unimore.it/it/assicurazione-qualita/commissione-paritetica-docenti-studenti>
- 2022 - pres **Member of the Scientific Board for the PhD Program in Mathematics**, joint program of the University of Parma, University of Ferrara and University of Modena and Reggio Emilia
- 2013 - 2023 **Postgraduate Mathematical Program faculty board member**, Departamento de Matemática, Universidade de Brasília, Brazil

### 2013 - current **Jury Member, PhD defense in Mathematics:**

- *Giuseppe Nozzi*, Thesis title: Two Different Approaches to the Study of Abelian Regular Subgroups of the Symmetric Group - Università degli Studi di L'Aquila- Italy, 2026
- *João Pedro Papalardo Azevedo*, Thesis title: Commuting Probability in Compact Groups - Universidade de Brasília- Brazil, 2023
- *Wállef Januário Pereira da Silva*, Thesis title: Grupos Solúveis e Pronilpotentes com Condições de Engel - Universidade de Brasília- Brazil, 2022
- *Sara Raissa Silva Rodrigues*, Thesis title: Sobre grupos finitos admitindo automorfismos coprimos - Universidade de Brasília, 2021
- *Iker de las Heras Kerejeta*, Thesis title: Some topics on finite  $p$ -groups and pro- $p$  groups - EHU/UPV Universidad del País Vasco - Spain, 2020
- *Michell Lucena Dias*, Thesis title: Partições Minimais de Grupos - Universidade de Brasília, 2019
- *Pedro Henrique Pereira Daldegan*, Thesis title: Characteristically simple subgroups of quasiprimitive permutation groups - Universidade Federal de Minas Gerais- Brazil, 2018
- *Agenor Freitas de Andrade*, Thesis title: Grupos com restrições em classes de conjugação verbal- Universidade de Brasília, 2016
- *Emerson Ferreira de Melo*, Thesis title: Grupos Finitos com um Grupo Metacíclico de Automorfismos - Universidade de Brasília, 2015
- *Raimundo de Araújo Bastos Júnior*, Thesis title: Condições de Engel em subgrupos verbais de grupos residualmente finitos - Universidade de Brasília, 2014
- *Francisco Enio do Nascimento Lima*, Thesis title: Centralizadores em Grupos Localmente Finitos - Universidade de Brasília, 2013

### 2015 - current **Jury Member, PhD candidacy:**

*Genildo de Jesus Nery* (Universidade de Brasília, 2019), *Hercules Carvalho Bezerra* (Universidade de Brasília, 2019), *Sara Raissa Silva Rodrigues* (Universidade de Brasília, 2018), *Danilo Sanção da Silveira* (Universidade de Brasília, 2016), *Jhoel Estebany Sandoval Gutierrez* (Universidade de Brasília, 2015), *Yerko Contreras Rojas* (Universidade de Brasília, 2015)

### 2014 - current **Jury Member, Msc defense:**

André Pereira Araújo (Universidade de Brasília, 2022), João Pedro Papalardo Azevedo (Universidade de Brasília, 2020), Mateus Figueiredo de Souza (Universidade de Brasília, 2020), Christe Héli da Moreira Montijo (Universidade de Brasília, 2018), Sara Raissa Silva Rodrigues (Universidade de Brasília, 2017), Alexandre Matos da Silva Pires de Moraes (Universidade de Brasília, 2017), Regiane Lopes de Oliveira (Universidade de Brasília, 2017), Jéssyca Cristine Lima de Souza (Universidade de Brasília, 2016), Jucineide Silva Santos (Universidade Federal da Bahia, 2016), Daniel dos Santos Araújo (Universidade Federal de Goiás, 2016), Moacyr Rodrigues Miranda Junior (Universidade Federal da Bahia, 2015), Ana Carolina Moura Texeira (Universidade Federal da Bahia, 2015), Rebeca Chuffi Saccocchi (Universidade de Brasília, 2015), Leandro Araújo Castro (Universidade de Brasília, 2014)

## Outreach Activities

- 2025-2026 **'Ritratti di Matematiche dal mondo: un progetto partecipativo tra mostre, laboratori e attività per scuole e cittadinanza'** Co-organizer, a public engagement project that includes the exposition *Women of mathematics from around the world*, organized within the Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, 11/2025-04/2026 Modena, <https://www.ritrattidimatematiche.unimore.it/>
- 2024 **'Il diritto di contare'** Co-organizer, an event organized by the Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, 13/05/2024 Modena, [https://www.dscg.unimore.it/sites/dip06/files/2024-05/Ildirittodiconciare\\_locandina\\_cineforum.pdf](https://www.dscg.unimore.it/sites/dip06/files/2024-05/Ildirittodiconciare_locandina_cineforum.pdf)
- 2022 **'Tavola Rotonda Paolo Ruffini, 1799'** Co-organizer and Speaker, an event organized by the Department of Physics, Informatics and Mathematics, University of Modena and Reggio Emilia, 17/05/2022 Modena, <https://www.magazine.unimore.it/site/home/notizie/articolo820062974.html>
- 2019 **'Leonardo e a matemática'** Co-organizer, a conference sponsored by the Italian Embassy in Brasília, 15/04/2019 Brasília, <http://www.exatas.unb.br/ie-informa/leonardo-e-a-matematica-2/>
- 2018 **'Matemática sorprendente/Surprising Mathematics'** Co-organizer, a conference sponsored by the Italian Embassy in Brasília, special guest: P. Oddifreddi, 24/10/2018 Brasília, <http://www.exatas.unb.br/ie-informa/surprising-mathematics-2/>

## Professional Memberships

- 2007 - current **INdAM**, Istituto Nazionale di Alta Matematica - GNSAGA (Italy), <https://www.altamatematica.it/gnsaga/aderenti/aderenti-2025/>
- 2011 - current **Iberian Network of Group Theory**, (Spain)
- 2022 - current **European Women in Mathematics**, <https://www.europeanwomeninmaths.org/profile/cristina-acciarri/>
- 2022 - current **UMI**, Unione Matematica italiana (Italy), <https://umi.dm.unibo.it>

## Other academic achievements and merits

- 23/02/2016 Italian PhD degree in Mathematics officially homologated by the Universidade de Brasília (Brazil) to the corresponding Brazilian PhD degree 'Doutor em Matemática'.

- 30/09/2010 Italian PhD degree in Mathematics officially homologated by the Universidad del País Vasco (Spain) to the corresponding Spanish PhD degree 'Doctor en Matemáticas'.
- 21/06/2010 Laurea Triennale and Laurea Specialistica (Italian first and second level degree) in Mathematics officially homologated by the Spanish Ministry for Education to the corresponding Spanish degree 'Licenciado en Matemáticas'.
- 07/12/2018 CELPE-BRAS Diploma in Portuguese as a Foreign Language (Proficiência em Língua Portuguesa para Estrangeiros) Level "Avançado" (Superior / Proficiency level) issued by Education Ministry-INEP- Brasil.
- 02/02/2010 DELE Diploma in Spanish as a Foreign Language (Diploma de Español como Lengua Extranjera) Level C2 (Superior / Proficiency level) issued by the Instituto Cervantes.

## Languages

|            |        |                                                             |
|------------|--------|-------------------------------------------------------------|
| Italian    | native | <i>mother tongue</i>                                        |
| English    | fluent |                                                             |
| Spanish    | fluent | <i>Diploma DELE European Level C2 – Instituto Cervantes</i> |
| Portuguese | fluent | <i>Diploma CELPE-Bras "Avançado", European Level C1</i>     |
| French     | basic  |                                                             |

## Computer skills

|           |                                 |              |                         |
|-----------|---------------------------------|--------------|-------------------------|
| OS:       | Unix, Mac Os X, Windows         | Languages:   | PASCAL, Fortran 90, C++ |
| Packages: | GAP, Matlab, Mathematica, Maple | Typesetting: | LaTeX, Word             |