Professional Experience and Education

•	2024 -	ICREA Research Professor ICIQ, Institute of Chemical Research of Catalonia.
•	2023 - 2024	Full Professor of Organic Chemistry Department of Chemistry, The University of Manchester.
•	2022 - 2023	Reader in Organic Chemistry Department of Chemistry, The University of Manchester.
•	2020 – 2022	Senior Lecturer in Organic Chemistry Department of Chemistry, The University of Manchester.
•	2016 – 2020	Lecturer in Organic Chemistry Department of Chemistry, The University of Manchester.
•	2013 – 2016	Junior Research Fellow. Department of Chemistry, Imperial College London. Teaching and independent research equivalent to an academic staff member.
•	2010 – 2013	Research Associate. Postdoctoral training with Prof. Donna Blackmond in kinetic studies of catalytic reactions at The Scripps Research Institute.
•	2009 – 2010	Research Associate. Contracted by CELLEX Foundation to work in the total synthesis of natural products for cancer therapy at the University of Barcelona.
•	2008 – 2009	Teaching Assistant. Department of Organic Chemistry, University of Barcelona. Teaching undergraduate organic chemistry courses.
•	2004 – 2009	PhD in Organic Chemistry. Department of Organic Chemistry, University of Barcelona. Supervised by Prof. Jaume Vilarrasa. Grade: <i>Summa cum laude</i> .
•	2003 – 2004	MRes in Organic Chemistry. Department of Organic Chemistry, University of Barcelona. Supervised by Prof. Jaume Vilarrasa.
•	1998 – 2003	MSci in Chemistry from the University of Barcelona.

Prizes

- 2024 Bristol Myers Squibb Lectureship (Scripps Research).
- 2021 FSE students' award for "Excellence and Innovation in Teaching and Learning Practice".
- 2020 RSC Hickinbottom Award (Royal Society of Chemistry).
- 2019 Jóvenes Investigadores de la Real Sociedad Española de Química (Young Researcher Award from the Spanish Royal Society of Chemistry).
- 2018 Thieme Chemistry Journals Award.

43. Vershinin, V.; Feruz, L.; Forkosh, H.; Kertzman, L.; Libman, A.; Burés, J.*; Pappo, D.* *ACS Catal.* **2024**, *14*, *8261*–8269

"Aerobic Oxidative Coupling of 2-Aminonaphthalenes by Homogenous Nonheme Iron Catalysts" https://pubs.acs.org/doi/full/10.1021/acscatal.4c01839

42. Xiuxiu, Y.; Kuziola, J.; Béland, V. A.; Busch, J.; Leutzsch, M.; Burés, J.*; Cornella, J.* *Angewandte Chemie International Edition* **2023**, *doi.org/10.1002/anie.202306447* "Bismuth-CatalyzedAmideReduction"

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41. Burés, J.*; Larrosa, I.* *Nature* **2023**, *613*, 689–695

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https://www.nature.com/articles/s41586-022-05639-4

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Highlighted in Nature Computational Science (Nat. Comput. Sci. 2023, 3, 119)

Highlighted in the Science AAAS Blog "In The Pipeline"

Featured in Chemistry World

Spotlighted in Phys.org

Showcased in Synform

- **40.** Alamillo-Ferrer, Hutchinson, G.; Burés, J.* *Nature Reviews Chemistry* **2023**, 7, 26–34 "Mechanistic interpretation of orders in catalyst greater than one" https://www.nature.com/articles/s41570-022-00447-w
- 39. Burés, J.*; Armstrong, A.*; Blackmond, D. G.* Asymmetric Organocatalysis: New Strategies, Catalysis, and Opportunities, Volume 2, John Wiley & Sons, Ltd. 2023, 657–678 "A Tutorial on Kinetic-Assisted Mechanistic Analysis in Asymmetric Aminocatalysis" https://onlinelibrary.wiley.com/doi/10.1002/9783527832217.ch20
- 38. Dumon, A. S.; Rzepa S. H.*; Alamillo-Ferrer, C.; Burés, J.; Procter, R.; Sheppard, T. D.; Whiting, A. *Physical Chemistry Chemical Physics* 2022, 24, 20409–20425 "A computational tool to accurately and quickly predict ¹⁹F NMR chemical shifts of molecules with fluorine-carbon and fluorine-boron bonds" https://pubs.rsc.org/en/content/articlelanding/2022/cp/d2cp02317b
- 37. Hutchinson, G.*; Alamillo-Ferrer, C.; Burés, J.* Journal of Organic Chemistry 2022, 87, 7968–7974 "Organocatalytic Enantioselective α-Bromination of Aldehydes with N-Bromosuccinimide" https://pubs.acs.org/doi/10.1021/acs.joc.2c00600 Highlighted as one of the top 20 most read JOC articles in May 2022
- 36. Ali, C.; Blackmond, D. G.*; Burés, J.* ACS Catalysis 2022, 12, 5776–5785 "Kinetic Rationalization of Nonlinear Effects in Asymmetric Catalytic Cascade Reactions under Curtin–Hammett Conditions" https://pubs.acs.org/doi/10.1021/acscatal.2c00783
- 35. Hutchinson, G.; Alamillo-Ferrer, C.; Burés, J.* Journal of the American Chemical Society 2021, 143, 6805–6809
 "Mechanistically Guided Design of an Efficient and Enantioselective Aminocatalytic α-Chlorination of Aldehydes"
 https://pubs.acs.org/doi/10.1021/jacs.1c02997
- 34. Gesslbauer, S.; Hutchinson, G.; White, A. J. P.; Burés, J.*; Romain, C.* ACS Catalysis 2021, 11, 4084–4093
 "Chirality-Induced Catalyst Aggregation: Insights into Catalyst Speciation and Activity Using Chiral Aluminum Catalysts in Cyclic Ester Ring-Opening Polymerization" https://pubs.acs.org/doi/10.1021/acscatal.0c05245
- 33. Alamillo-Ferrer, C.; Nielsen, D.-T. C.; Salzano, A.; Companyó, X.; Di Sanza, R.; Spivey, A. C.; Rzepa, H. S.; Burés, J.* Journal of Organic Chemistry 2021, 86, 4326-4335 "Understanding the Diastereopreference of Intermediates in Aminocatalysis: Application to the Chiral Resolution of Lactols" https://pubs.acs.org/doi/10.1021/acs.joc.0c02998

- **32.** Hutchinson, G.; Welsh, C. D. M.; Burés, J.* *Journal of Organic Chemistry* **2021**, *86*, 2012-2016 "Use of Standard Addition to Quantify In Situ FTIR Reaction Data" https://pubs.acs.org/doi/full/10.1021/acs.joc.0c02684
- 31. Seppänen, O.; Santeri, A.; Mikko, M.; Alamillo-Ferrer, C.; Burés, J.; Helaja, J.* Chemical Communications 2020, 56, 14697–14700 "Dual H-bond activation of NHC–Au(I)–CI complexes with amide functionalized side-arms assisted by H-bond donor substrates or acid additives" https://pubs.rsc.org/en/content/articlelanding/2020/cc/d0cc05999d Highlighted as "Some Items of Interest to Process R&D Chemists and Engineers" published in 2021 (Org. Process Res. Dev. 2022, 26, 1–9)
- 30. Nielsen, D.-T. C.; White, A. J. P.; Sale, D.; Burés, J.; Spivey, A. C.* Journal of Organic Chemistry 2019, 84, 14965-14973 "Hydroarylation of Alkenes by Protonation/Friedel–Crafts Trapping: HFIP-Mediated Access to Peraryl Quaternary Stereocenters" https://pubs.acs.org/doi/abs/10.1021/acs.joc.9b02393
- 29. Martínez-Carrión, A.; Howlett, M. G.; Alamillo-Ferrer, C.; Clayton, A. D.; Bourne, R. A.; Codina, A.; Vidal-Ferran, A.*; Adams, R. W.*; Burés, J.* Angewandte Chemie International Edition 2019, 58, 10189-10193
 "Kinetic Treatments for Catalyst Activation and Deactivation Processes" https://onlinelibrary.wiley.com/doi/full/10.1002/anie.201903878
- 28. Nielsen, D.-T. C.; Burés, J.* Chemical Science 2019, 10, 348-353
 "Visual kinetic analysis"

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 2019 Chemical Science HOT Article Collection

 Themed collection: Editor's choice Paolo Melchiorre
- 27. Nielsen, D.-T. C.; Mooji, W. J.; Sale, D.; Rzepa H. S.; Burés, J.; Spivey, A. C.* Chemical Science 2019, 10, 406-412
 "Reversibility and reactivity in an acid catalyzed cyclocondensation to give furanochromanes a reaction at the 'oxonium-Prins' vs. 'ortho-quinone methide cycloaddition' mechanistic nexus" https://pubs.rsc.org/en/content/articlelanding/2018/sc/c8sc04302g
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- 26. Somerville, R.; Hale, L. V. A.; Gómez-Bengoa, E.*; Burés, J.*; Martin, R.* Journal of the American Chemical Society 2018, 140, 8771-8780 "Intermediacy of Ni–Ni Species in sp2 C–O Bond Cleavage of Aryl Esters: Relevance in Catalytic C–Si Bond Formation" https://pubs.acs.org/doi/abs/10.1021/jacs.8b04479
- 25. Aikonen, S.; Muuronen, M.; Wirtanen, T.; Heikkinen, S.; Musgreave, J.; Burés, J.*; Helaja, J.* ACS Catalysis 2018, 8, 960-967.
 "Gold(I)-Catalyzed 1,3-O-Transposition of Ynones: Mechanism and Catalytic Acceleration with Electron-Rich Aldehydes" https://pubs.acs.org/doi/10.1021/acscatal.7b04262
- **24.** Colletto, C.; Burés, J.*; Larrosa, I.* *Chemical Communications* **2017**, *53*, 12890-12893. "Reaction monitoring reveals poisoning mechanism of Pd2(dba)3and guides catalyst selection" http://pubs.rsc.org/en/content/articlelanding/2017/cc/c7cc08018b
- 23. Companyó, X.; Burés J.* Journal of the American Chemical Society 2017, 139, 8432-8435 "Distribution of Catalytic Species as an Indicator to Overcome Reproducibility Problems" http://pubs.acs.org/doi/abs/10.1021/jacs.7b05045 Selected for the JACS Young Investigators virtual issue 2018
- Marais, L.; Burés, J.; Jordaan, H. L. J.; Mapolie, S.; Swarts, A.* J. Organic & Biomolecular Chemistry 2017, 15, 6926-6933.
 "A bis(pyridyl)-N-alkylamine/Cu(I) catalyst system for aerobic alcohol oxidation" http://pubs.rsc.org/en/content/articlelanding/2017/ob/c7ob01383c#!divAbstract
 Themed issue: Mechanistic Aspects of Organic Synthesis

21. Burés J.* Topics in Catalysis 2017, 60, 631-633

"What is the order of a reaction?"

https://link.springer.com/article/10.1007/s11244-017-0735-y

Invited article to the special issue dedicated to Prof. Donna Blackmond (ACS Samorjai Award 2016)

20. Burés, J.* *Angewandte Chemie International Edition* **2016**, *55*, 16084-16087 "Variable Time Normalization Analysis: General Graphical Elucidation of Reaction Orders from Concentration Profiles"

http://onlinelibrary.wiley.com/doi/10.1002/anie.201609757/abstract

Higlighted as 'Hot Paper'

Featured in "Kinetics in the Real Word"

19. Whitaker, D.; Burés, J.*; Larrosa, I.* Journal of the American Chemical Society 2016, 138, 8384-8387

"Ag(I)-Catalyzed C-H Activation: The Role of the Ag(I) Salt in Pd/Ag-Mediated C-H Arylation of Electron-Deficient Arenes"

http://pubs.acs.org/doi/abs/10.1021/jacs.6b04726

18. Burés, J.* Angewandte Chemie International Edition 2016, 55, 2028-2031 "A Simple Graphical Method to Determine the Order in Catalyst" <u>http://onlinelibrary.wiley.com/doi/10.1002/anie.201508983/abstract</u> Featured in "Kinetics in the Real Word"

Günler, Z. I.; Companyó, X.; Alfonso, I.; Burés, J.*; Jimeno, C.*; Pericàs, M. A.* Chemical Communications 2016, 52, 6821-6824
 "Deciphering the Roles of Multiple Additives in Organocatalyzed Michael Additions" https://doi.org/10.1039/C6CC01026A

16. Burés, J.; Armstrong, A.; Blackmond, D. G.* *Accounts of Chemical Research* **2016**, *49*, 214-222 "Explaining Anomalies in Enamine Catalysis: "Downstream Species" and a New Paradigm for Stereocontrol"

http://pubs.acs.org/doi/abs/10.1021/acs.accounts.5b00394

15. Burés, J.; Dingwall, P.; Armstrong, A.; Blackmond, D. G.* *Angewandte Chemie International Edition* **2014**, *53*, 8700-8704

"Rationalization of an Unusual Solvent-Induced Inversion of Enantiomeric Excess in Organocatalytic Selenylation of Aldehydes"

http://onlinelibrary.wiley.com/doi/10.1002/anie.201404327/abstract

Featured in "Kinetics in the Real Word"

14. Isart, C.; Burés, J.; Vilarrasa, J.* Journal of Mass Spectrometry 2014, 49, 331-334 "Electrospray Ionization Mass Spectra of the Reactions of NaAuBr₄ and Related Aurates with Nucleophiles" http://onlinelibrary.wiley.com/doi/10.1002/jms.3341/abstract

13. Burés, J.; Armstrong, A.; Blackmond, D. G.* *Pure and Applied Chemistry* **2013**, *85*, 1919-1934 "The Interplay of Thermodynamics and Kinetics in Dictating Organocatalytic Reactivity and Selectivity"

http://www.iupac.org/publications/pac/85/10/1919/

12. Burés, J.; Armstrong, A.; Blackmond, D. G.* *Journal of the American Chemical Society* **2012**, *134*, 6741-6750

"Curtin-Hammett Paradigm for Stereocontrol in Organocatalysis by Diarylprolinol Ether Catalysts" http://pubs.acs.org/doi/abs/10.1021/ja300415t

11. Burés, J.; Armstrong, A.; Blackmond, D. G.* Chemical Science 2012, 3, 1273-1277 "Kinetic Correlation Between Aldehyde/Enamine Stereoisomers in Reactions between Aldehydes with α-Stereocenters and Chiral Pyrrolidine-Based Catalysts" http://pubs.rsc.org/en/content/articlelanding/2012/sc/c2sc01082h

10. Sánchez, D.; Bastida, D.; Burés, J.; Isart, C.; Pineda, O.; Vilarrasa, J.* Organic Letters 2012, 14, 536-539

"Relative Tendency of Carbonyl Compounds To Form Enamines" http://pubs.acs.org/doi/abs/10.1021/ol203157s

- 9. Hein, J. E.; Burés, J.; Lam, H.; Hughes, M.; Houk, K. N.; Armstrong, A.; Blackmond, D. G.* Organic Letters 2011, 13, 5644-5647 "Enamine Carboxylates as Stereodetermining Intermediates in Prolinate Catalysis" http://pubs.acs.org/doi/abs/10.1021/ol2023533
- 8. Burés, J.; Armstrong, A.; Blackmond, D. G.* *Journal of the American Chemical Society* **2011**, *133*, 8822-8825
 - "Mechanistic Rationalization of Organocatalyzed Conjugate Addition of Linear Aldehydes to Nitroolefins"
 - http://pubs.acs.org/doi/abs/10.1021/ja203660r
- 7. Isart, C.; Bastida, D.; Burés, J.*; Vilarrasa, J.* Angewandte Chemie International Edition 2011, 50, 3275-3279
 - "Gold(III) Complexes Catalyze Deoximations/Transoximations at Neutral pH" http://onlinelibrary.wiley.com/doi/10.1002/anie.201007269/abstract
- 6. Thanos, A.; Burés, J.; Vilarrasa, J.* Tetrahedron Letters 2010, 51, 1863-1866 "Reaction of Dess–Martin Periodinane with 2-(Alkylselenyl)pyridines. Dehydration of Primary Alcohols under Extraordinarily Mild Conditions" http://www.sciencedirect.com/science/article/pii/S004040391000184X
- 5. Burés, J.; Isart, C.; Vilarrasa, J.* Organic Letters 2009, 11, 4414-4417 "AuBr₃-Catalyzed Thiooxime-to-Carbonyl Conversion: From Chiral Aliphatic Nitro Compounds to Ketones without Racemization" http://pubs.acs.org/doi/abs/10.1021/ol9017722
- 4. Burés, J.; Martín, M.; Urpí, F.; Vilarrasa, J.* Journal of Organic Chemistry 2009, 74, 2203-2206 "Catalytic Staudinger–Vilarrasa Reaction for the Direct Ligation of Carboxylic Acids and Azides" http://pubs.acs.org/doi/abs/10.1021/jo802825e
- Isart, C.; Burés, J.; Vilarrasa, J.* Tetrahedron Letters 2008, 49, 5414-5418 "Seebach's Oxazolidinone is a Good Catalyst for Aldol Reactions" http://www.sciencedirect.com/science/article/pii/S004040390801277X
- 2. Burés, J.; Vilarrasa, J.* Tetrahedron Letters 2008, 49, 441-444 "Catalytic, PMe₃-Mediated Conversion of Secondary Nitroalkanes to Ketones: a Very Mild Nef-Type Process" http://www.sciencedirect.com/science/article/pii/S0040403907023167
- Burés, J.; Isart C.; Vilarrasa, J.* Organic Letters 2007, 9, 4635-4638
 "Efficient Preparation of N-Phenylsulfenyl Ketimines from Oximes or Nitro Compounds without Racemization of α-Stereocenters"
 http://pubs.acs.org/doi/abs/10.1021/ol702212n

Academic and Professional Qualifications

- Accreditation of Advanced Research AQU Catalunya ID NMJ9P5CV3
- Fellow of The Higher Education Academy Reference PR170741
- American Chemical Society (ACS) Member Number 30845284
- Royal Society of Chemistry (RSC) Member Number 489889
- Society of Chemical Industry (SCI) Member Number 71154
- Spanish Royal Society of Chemistry (RSEQ) Member Number 6645

Invited Conferences and Talks

•	27/06/2024	Invited lecture at the XXIX Bienal de Química Orgánica (Tenerife, Spain)
•	14/06/2024	Invited lecture at AstraZeneca (Macclesfield, UK)
•	30/05/2024	Invited lecture at the University of Geneva (Switzerland)
•	11/04/2024	Plenary lecture at the VIII Conference of the Spanish Network of Asymmetric Catalysis (Hondarribia, Spain)
•	03/04/2024	Invited lecture at the 2024 Catalysis Science & Technology Symposium (London, UK)
•	13/03/2024	Invited lecture at the University of York (UK)
•	28/02/2024	Invited lecture at Pharmaron (Hoddesdon, UK)
•	19/01/2024	Scripps Research - Bristol Myers Squibb Lecture (La Jolla, USA)
•	11/12/2023	Invited lecture at Ludwig Maximilian University of Munich (Germany)
•	11/10/2023	Invited lecture at the 2023 MT BioPharma Roundtable (Basel, Switzerland)
•	18/09/2023	Invited lecture at the SMASH – Small Molecule NMR Conference (Baveno, Italy)
•	17/07/2023	Invited lecture at Pfizer (Sandwich, UK)
•	25/06/2023	Invited lecture at the Physical Organic Chemistry Gordon Research Conference (New Hampshire, USA)
•	23/11/2022	Invited lecture at the RSC – New Frontiers in Synthetic Chemistry (London, UK)
•	22/11/2022	Invited lecture at Queen Mary University of London (UK)
•	20/07/2022	Invited lecture at Max-Planck-Institute für Kohlenforschung (Mülheim, Germany)
•	22/04/2022	Invited lecture at the University of Barcelona (Spain)
•	16/03/2022	Invited lecture at the University of York (UK)
•	15/10/2021	Invited lecture at Kyoto University (Japan)
•	08/06/2021	Invited lecture at Bristol Myers Squibb (New Jersey, USA)
•	07/11/2019	Invited lecture at the University Jaume I (Castelló de la Plana, Spain)
•	05/11/2019	Invited lecture at the XVI Symposium of Young Investigators RSEQ-Sigma Aldrich-Merck (Valencia, Spain)
•	24/10/2019	Plenary lecture at the GlaxoSmithKline Emerging Academics Symposium (Stevenage, UK)
•	09/10/2019	Invited lecture at the 2019 MT BioPharma Roundtable (Beerse, Belgium)
•	04/10/2019	Invited lecture at the Stockholm University (Stockholm, Sweden)
•	22/05/2019	Invited lecture at Johnson Matthey (Cambridge, UK)

•	05/03/2019	Invited lecture at the RSC Symposium – New Approaches to Mitigating Catalyst Deactivation (London, UK)
•	27/02/2019	Invited lecture at the University of East Anglia (Norwich, UK)
•	28/11/2018	Invited lecture at the 6th Anglo-Japanese Conference on Asymmetric Catalysis (Fukuoka, Japan)
•	14/11/2018	Invited lecture at the SCI-RSC: Challenges in Catalysis for Pharmaceuticals & Fine Chemicals VI (London, UK)
•	09/07/2018	Invited Lecture Dial-a-Molecule Annual Meeting 2018 (London, UK)
•	09/05/2018	Staff Symposium at The University of Manchester (Manchester, UK)
•	10/01/2018	Invited lecture at AstraZeneca (Macclesfield, UK)
•	07/11/2017	Invited lecture at the meeting "From Spectral Data To Chemical Knowledge" at the University of Bath (UK)
•	20/10/2017	Invited lecture at the ICIQ (Tarragona, Spain)
•	28/04/2017	Invited lecture at the Young Chemists 2017 at Imperial College London (UK)
•	04/04/2017	Short talk at the Manchester-Shanghai-Hong Kong Trilateral meeting, SIOC (Shanghai, China)
•	14/03/2017	Invited lecture at Firmenich (Geneva, Switzerland)
•	22/02/2017	Invited short lecture at the University of Cologne (Germany)
•	21/02/2017	Invited lecture at Max-Planck-Institute für Kohlenforschung (Mülheim, Germany)
•	09/11/2016	Invited lecture at the University of Huddersfield (UK)
•	18/10/2016	Invited lecture at the Organic Process Research and Development conference organized by Scientific Update (Prague, Czech Republic)
•	15/09/2016	Short talk at the Gregynog Synthesis Workshop (Newton, UK)
•	28/04/2016	Invited lecture at Merck (New Jersey, USA)
•	14/03/2016	Talk at the ACS National Meeting & Exposition 2016 (San Diego, USA)
•	11/11/2015	Invited lecture at the University of Nottingham (UK)
•	04/08/2015	Invited lecture at Syngenta (Jealott's Hill, UK)
•	12/03/2014	Invited lecture at University College London (UK)
•	24/09/2014	Invited lecture at the University of Bath (UK)
•	11/09/2014	Short talk at the Gregynog Synthesis Workshop (Newton, UK)
•	21/05/2014	Invited lecture at Dr.Reddy's (Cambridge, UK)
•	10/07/2014	Short talk at the Dial-a-molecule Annual Meeting, University of Birmingham (UK)
•	20/03/2012	Invited lecture at Queen Mary University of London (UK)

Teaching and Learning

I have over 14 years of experience in teaching at three top-tier universities within the British and Spanish higher education systems: Imperial College London, The University of Manchester and the Universitat de Barcelona. During my time at these institutions, I have designed and delivered numerous courses at both undergraduate and postgraduate levels. In addition to my university teaching experience, I have provided specialized training courses to external postgraduates and senior researchers at other universities, as well as to researchers working in the chemical, agrochemical, and pharmaceutical industries.

Over these years, I have acquired the following accreditations:

- New Academic Programme (NAP) from the Faculty of Science and Engineering at the University of Manchester.
- Fellow of The Higher Education Academy; HEA reference: PR170741.
- "Acreditació de recerca avançada" required to become Full Professor ("catedràtic/a") in the Catalan Higher Education System; ID NMJ9P5CV3.

During my career I have taught all kinds of subjects related to organic chemistry and physical organic chemistry in a wide range of learning environments. For each case, I have used the most adequate delivery system, material and assessment method.

- **Subjects**: Organic Chemistry at different levels (Y1, Y2, and Y3 courses), Advanced Catalysis, Heterocyclic Chemistry, Practical Structure Determination of Organic Compounds, Enantioselective Catalysis, Kinetic in Catalysis, Modern Physical Organic Chemistry and Natural Products.
- **Learning environments**: lectures, tutorials, workshops, chemistry wet laboratories, computer laboratories, and problem classes.
- **Teaching resources**: presentations, videos for flipped learning, problem sets, computer-based problems, and hand-outs.
- **Assessment methods**: written scripts, essays, presentations, posters, computer-based assessments, and vivas to undergraduate, masters and PhD students.

I have received excellent evaluation of my lectures, demonstration laboratories and tutorials from the Department and the Faculty peer-review, as well as from the students. This recognition has resulted in the following achievements:

- 2021: students' award for "Excellence and Innovation in Teaching and Learning Practice" of the Faculty of Science and Engineering at The University of Manchester.
- 2021: students' nomination to the "**Lecturer of the Year**" of the Faculty of Science and Engineering at The University of Manchester.
- 2022: finalist of the "Excellence in Online Education" award by the Students Union of The University of Manchester.

Administrative Roles

- 2023-2024: Organizer of the Gregynog Synthesis Workshop for Early Career Researchers in the UK.
- 2019-2024: Welfare Lead of the Department of Chemistry at The University of Manchester (UoM).
- 2019-2024: Chair of the Mitigation Circumstances Panel of the Department of Chemistry at UoM.
- 2018-2024: Sustainability Champion of the Department of Chemistry at UoM.
- 2016-2024: Personal tutor at UoM.
- 2017-2018: Member of the wellbeing group of the Department of Chemistry at UoM.
- 2013-2016: Personal tutor at Imperial College London.