CV examples for Postgraduate Researchers

University of BRISTOL
Careers Service

Academic CVs are different to other types and are normally longer. You should always tailor your CV to the reflect the employer's requirements. This guide gives advice on some of the sections of an academic CV and provides researcher CV examples from across multiple disciplines.

In academia the key elements potential employers look include **research** (demonstrated, in part, by publications), **teaching experience,** evidence of research **impact or public engagement,** and **administration**. These should be prioritised and included in all academic CVs but there is no set format - the layout is up to you. The following sections are typical of an academic CV but can be in differing orders according to the role, i.e. place more relevant sections nearer the start.

Personal information	Start the CV with your name (as the header), address, telephone number and email. You can include a link to your University research page or LinkedIn.
Research interests	Bullet points or a short paragraph summarising your research (unless it is a teaching-only job).
Education	Include degrees, titles of theses and supervisors. You can include a short summary of your thesis here.
Awards and funding	Undergraduate prizes, travel grants, PhD scholarships, early career fellowships, grants you have led on or are named on.
Research experience	Include any post docs or fellowships and research assistant jobs. You might include more detail about your PhD in this section. Include any relevant technical skills you have developed, e.g. using lab equipment, scientific techniques, data analysis software, research methods.
Teaching experience	Note any experience you have had including lecturing, seminar, tutorial, supervising, demonstrating, mentoring and potentially non-academic teaching. Include software you have used to tech with e.g. Matlab.
Admin experience	Highlight any conferences or seminars you've organised, committees you have sat upon and any other relevant administration experience such as invigilation and involvement in open days.
Relevant training	Such as academic teaching training, research methods training etc.
Professional memberships	e.g. the Royal Society of Arts or the British Psychological Association
Publications	Give full details, as you would if citing them, and use a consistent style. Depending on how many publications you have, you could include a short list in the body of your CV or provide a full list in an appendix. Include journal articles, books or chapters of books, reports and patents. If you wrote as part of a team, list all authors and highlight your name.
Conference presentations/posters	Highlight specifically any that you were invited to as a speaker.

The rest of this document consists of example CVs. Feel free to use these a basis for, or to inform your own. They are divided into different Faculties, but use whichever format you like best.

Example 1: Arts academic CV for research position

Dr Jennifer Warner

Telephone: +44 (0)7891 234567 *Email:* Jennifer.Warner@bristol.ac.uk

Languages: English (native), Spanish and Catalan (near native), French (advanced)

Education

PhD Linguistics, University of Bristol 2016 – 2020

- Thesis: *Language policy and contact in Barcelona: A contemporary perspective*.
- £19,336 full funding for fees and maintenance (Arts and Humanities Research Council).

MA Linguistics (Distinction), University College London 2015 – 2016

BA (Hons) French and Spanish (First Class), University of Bristol 2011 – 2015

Publications

Journal articles:

Warner, J. (in preparation) The border as a site of sociolinguistic inquiry: Findings from Northern Catalonia. In Horner, K. and Dailey-O'Cain, J. (eds.) Multilingualism, (Im)mobilities and Spaces of Belonging, pp. 19-38. Bristol: *Multilingual Matters*.

Warner, J. (2019) Towards an understanding of the contemporary sociolinguistic situation in the Pyrénées-Orientales. What questions need to be asked? *Cahiers AFLS* 15.1, 36-52.

Book reviews:

Warner, J. (accepted) Democratic policies for language revitalisation: The case of Catalan. *Language Policy* 11.4, 357-359.

Warner, J. (2018) The Architect of Modern Catalan. Selected Writings / Pompeu Fabra (1868-1948). *Language Policy* 9.3, 277-279.

Academic Presentations

Invited Talks:

May 2020. Testing a three-dimensional model of sociolinguistic phenomena: Evidence from Barcelona. Centre for Language and Linguistic Studies, University of Kent.

February 2020. Top-down change and bottom-up change in Barcelona. Where next? Department of Linguistics, University of Bristol.

December 2018. De mica en mica s'omple la pica: Experimental findings from Barcelona. ILAS Research Seminar Series, Department of Iberian and Latin American Studies, University of Bristol.

March 2018. The importance of 'change from below' - contact-induced language change in Barcelona. SOCLAS Romance Linguistics Research Seminar Series, University of Liverpool.

November 2017. Post-1975 language policy in Catalonia. Centre for Catalan Studies, Queen Mary University of London.

March 2017. Code-switching in Catalonia. Department of Spanish and Latin American Studies, University College, London.

January 2017. Post-colonial language planning strategies. Department of Linguistics, University of Bristol.

Conference Papers:

May 2019. Catalan-Castilian syntactic convergence in Barcelona. A change in progress or a change halted? *Postgraduate Research Conference, Department of Linguistics*, University of Bristol.

January 2019. 'Change from above' and its impact on awareness of the norm in Castilian and Catalan: Experimental evidence from Barcelona. *XXXIX Romance Linguistics Seminar*, Trinity Hall, University of Cambridge.

September 2018. How does La Bressola affect varieties of French in Catalunya Nord? *2010 Association for French Language Studies Conference*, Peterhouse College, University of Cambridge.

Research Presentations:

March 2019. Rebranding 'change from above' and 'change from below'. PGR Discussion Group, Department of Linguistics, University of Bristol.

October 2017. Language contact in Barcelona. Postgraduate Discussion Group, Department of Linguistics, University of Bristol.

December 2016. Code-switching in Catalonia. Hispanic Linguistics Research Seminar, Department of Hispanic Studies, University of Bristol.

Academic Service

Public Engagement:

March 2018. 'Un momento, déjame pensar (en español)', joint with Ignacio Gregorio Sales (Universidad de Alcalá de Henares). 'Making languages work for you' outreach initiative. Department of German, University of Bristol (with Goethe-Institut, London).

General Academic Service:

Sep 2018 – Sep 2020. Executive Committee Member (PGR), Spanish Language Studies.

Teaching Experience

Teaching Assistant, Department of Spanish, University of Bristol 2017 – 2020

- Small-group teaching of between 12-16 students in 3 x seminar classes on the 1st year undergraduate course 'The Making of the Hispanic World'.
- Leading discussions, delivering taught content, and assisting students in their undertaking independent group projects.
- Providing guidance in 1-to-1 supervisions, helping with essays and assessments.
- Providing marking and assessment within deadlines set by the University administration according to standard criteria, before uploading grades and feedback on Blackboard.
- Development, use and editing of learning technologies such as Moodle, Link2Lists, Blackboard, Smartboard, Turnitin, and Turning Point Technologies.
- Signposting students to other services within the University, including for pastoral care.

Postgraduate project supervisor, Imperial College London 2018 – 2019

Moss, G. MA dissertation 'Language rights in London: questions of access and visibility'.

- Providing 1-to-1 support for the student's independent research project through several meetings, including summative marking and formal feedback on proposals.
- Marking and assessment within a 5-day deadline, working with a senior academic colleague to determine an appropriate grading based on independent assessments.

Professional Memberships:

Associate Fellow of the Higher Education Academy	July 2018 – Date
International Association for the Study of Spanish in Society	Oct 2016 – Date
Anglo-Catalan Society	Oct 2016 – Date

References

Principal Supervisor
Dr May Gérald
Department of Spanish
School of Modern Languages
University of Bristol
+44 117 331 2298
may.gerald@bristol.ac.uk

External Examiner
Prof. Patrice Allemand
Department of Spanish
Faculty of Arts
Imperial College London
+44 117 342 3512
p.allemand@imperial.ac.uk

Internal Examiner
Prof. Daniel Lamont
Department of Spanish
School of Modern Languages
University of Bristol
+44 139 272 4450
d.lamont@bristol.ac.uk

Example 2: Arts academic CV for teaching position

Dr Jennifer Warner

Telephone: +44 (0)7891 234567 *Email:* Jennifer.Warner@bristol.ac.uk
Languages: English (native), Spanish and Catalan (near native), French (advanced)

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- £19,336 full funding for fees and maintenance (Arts and Humanities Research Council).

MA Linguistics (Distinction), University College London 2015 – 2016

BA (Hons) French and Spanish (First Class), University of Bristol 2011 – 2015

Teaching Experience

Teaching Assistant, Department of Spanish, University of Bristol 2017 – 2020

- Small-group teaching of between 12-16 students in 3 seminar classes on the 1st year undergraduate course 'The Making of the Hispanic World'.
- Leading discussions, delivering taught content, and assisting students in undertaking independent group projects.
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- Signposting students to other services within the University, including for pastoral care.

Postgraduate project supervisor, Imperial College London 2018 – 2019

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- Providing 1-to-1 support for the student's independent research project through several meetings, including summative marking and formal feedback on proposals.
- Marking and assessment within a 5-day deadline, working with a senior academic colleague to determine an appropriate grading based on independent assessments.

Executive Committee Member (PGR), Spanish Language Studies 2018 –2020

- PGR representative for Spanish Language Studies on this staff-student organizing committee, helping to influence, shape, and making decisions in the Department.
- Taking and circulating accurate minutes to other members on a rotational basis.

Academic Presentations

Invited Talks:

May 2020. Testing a three-dimensional model of sociolinguistic phenomena: Evidence from Barcelona. Centre for Language and Linguistic Studies, University of Kent.

February 2020. Top-down change and bottom-up change in Barcelona. Where next? Department of Linguistics, University of Bristol.

December 2018. De mica en mica s'omple la pica: Experimental findings from Barcelona. ILAS Research Seminar Series, Department of Iberian and Latin American Studies, University of Bristol.

March 2018. The importance of 'change from below' - contact-induced language change in Barcelona. SOCLAS Romance Linguistics Research Seminar Series, University of Liverpool.

November 2017. Post-1975 language policy in Catalonia. Centre for Catalan Studies, Queen Mary University of London.

March 2017. Code-switching in Catalonia. Department of Spanish and Latin American Studies, University College, London.

January 2017. Post-colonial language planning strategies. Department of Linguistics, University of Bristol.

Conference Papers:

May 2019. Catalan-Castilian syntactic convergence in Barcelona. A change in progress? *Postgraduate Research Conference, Department of Linguistics*, University of Bristol.

January 2019. 'Change from above' and its impact on awareness of the norm in Castilian and Catalan: Experimental evidence from Barcelona. *XXXIX Romance Linguistics Seminar*, Trinity Hall, University of Cambridge.

September 2018. How does La Bressola affect varieties of French in Catalunya Nord? *2010 Association for French Language Studies Conference*, Peterhouse College, University of Cambridge.

Research Presentations:

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October 2017. Language contact in Barcelona. Postgraduate Discussion Group, Department of Linguistics, University of Bristol.

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Publications

Journal articles:

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Warner, J. (2019) Towards an understanding of the contemporary sociolinguistic situation in the Pyrénées-Orientales. What questions need to be asked? *Cahiers AFLS* 15.1, 36-52.

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Warner, J. (2018) The Architect of Modern Catalan. Selected Writings / Pompeu Fabra (1868-1948). *Language Policy* 9.3, 277-279.

Academic Service

Public Engagement:

March 2018. 'Un momento, déjame pensar (en español)', joint with Ignacio Gregorio Sales (Universidad de Alcalá de Henares). 'Making languages work for you' outreach initiative. Department of German, University of Bristol (with Goethe-Institut, London).

Professional memberships:

July 2018 – Present. Associate Fellow of the Higher Education Academy.

Oct 2016 – Present . International Association for the Study of Spanish in Society.

Oct 2016 – Present. Anglo-Catalan Society.

References

Principal Supervisor	**External Examiner**	**Internal Examiner**
Dr May Gérald	Prof. Patrice Allemand	Prof. Daniel Lamont
Department of Spanish	Department of Spanish	Department of Spanish
School of Modern Languages	Faculty of Arts	School of Modern Languages
University of Bristol	Imperial College London	University of Bristol
+44 117 331 2298	+44 117 342 3512	+44 139 272 4450
may.gerald@bristol.ac.uk	p.allemand@imperial.ac.uk	d.lamont@bristol.ac.uk

Example 3: Arts non-academic CV

Dr Jennifer Warner

+44 7891 234567 Jennifer.Warner@bristol.ac.uk linkedin.com/in/jenwarner/

Education

PhD Linguistics, University of Bristol 2016 – 2020

Thesis: *Language policy and contact in Barcelona: A contemporary perspective*.

- Secured £19,336 (full funding for fees and maintenance) from the Arts and Humanities Research Council submitting a formal written research proposal and passing interview.
- Designed and delivered all aspects of an independent 4-year research project, working closely with 2 supervisors and negotiating changes to the project with them.

MA Linguistics (Distinction), University College London 2015 – 2016

BA (Hons) French and Spanish (First Class), University of Bristol 2011 – 2015

Key Skills

Languages

- English (native), Spanish and Catalan (near native), French (advanced)

Verbal communication

- Delivered talks to various academic and student audiences of between 12-60 people, including papers for academic audiences at prestigious international conferences, requiring confident public speaking and a solid understanding of content.
- Invited to present my research at 8 different talks at various UK Universities during my PhD as a result of my reputation as a skilled researcher and presenter, and my strong interpersonal and networking skills.
- Fielded hundreds of customer queries per day both face-to-face and via telephone in 2 different part-time jobs, requiring good etiquette, patience, and stamina.

Written communication

- Experienced in written communication to various audiences, including academics, students, and external stakeholders, such as organising event speakers.
- Published author of an article and 2 book reviews in high-impact academic journals (at which on average only around 10% of submissions are approved for publication).
- Wrote 4 official annual reports on the progress of my research for supervisors during Annual Progress Reviews in order to remain registered on my PhD.

Organisation & Planning

- Organised an academic research conference, setting the theme, writing a call for papers and arranging keynote speakers. Required quick thinking and calmness under pressure on the day, for example altering the running order of the event due to catering arriving late and rearranging individual sessions as several speakers were ill.

Work Experience

Postgraduate Project Supervisor, University of Bristol Oct 2018 – Oct 2019

- Providing 1-to-1 support and supervision for 2 MA students, offering advice and planning support for shaping the direction and content of their research.
- Marking work according to strict criteria subject to the scrutiny of senior colleagues.
- Providing feedback on the quality of the students' work several times per term during the academic year both before and after marking, which required balancing constructive criticism and making corrections with providing encouragement and helping my students maintain their motivation.

Sales Assistant, Anthropologie Oct 2015 – June 2016

- Assisting and advising customers on potential purchases by providing them with useful information and opinions. This required a thorough understanding of our stock and the ability to learn this information quickly.
- Communicating effectively with my team in order to assist customers promptly, especially during the busy Christmas period when I would often speak to over a hundred customers in a single shift.
- Organising the stock room when taking deliveries to ensure new stock could be taken out to the floor in a timely and efficient manner, which required careful planning in order to make the best use of available space.
- Using the store's IT system to report weekly sales figures to the store manager.

Customer Service Representative, European Enquiries Ltd. Sept 2012 – June 2015

- Answering calls for an international and national directory enquiries services in English and Spanish, requiring a solid grasp of language and the ability to think quickly.
- Dealing politely and efficiently with hundreds of callers per shift including a large variety of customers of different ages and nationalities from across the EU.
- Interrogating IT systems efficiently in order to find relevant information.
- Conveying information to clients in English or Spanish in a clear and intelligible way. As English was often the second language of callers, this required tailoring my verbal communication, as well as patience to ensure the right meaning was conveyed.

Positions of Responsibility

Executive Committee Member, University of Bristol Sep 2018 – July 2019

- Attending and chairing regular meetings on a rotational basis throughout the year to report on and hear reports about progress on actions agreed at previous meetings.
- Taking accurate and concise minutes for official University records, which needed to be shared and stored in a timely fashion after meetings.

Example 4: Engineering academic CV for research position

Juan Hernández Garcia

firstname.surname@bristol.ac.uk Tel: +44789 121234 linkedin.com/in/namesurname/

Final year Aerospace Engineer PhD researcher skilled in composite materials (analysis and manufacture), structural mechanics, mathematical modelling, Finite Element Method, aircraft performance, wind tunnel testing, fluid-structure interaction, aeroelasticity, and material testing.

Education

PhD in Advanced Composites, University of Bristol **Sep 2015 – Mar 2020**

- PhD Thesis: Structural and Aerodynamic Performance of a Three-Dimensional Compliance-based Composite Camber Morphing Wing.
- Supervisors: Dr Sahana Khatri (primary), Prof. Peter Fletcher, Prof. Lewis Farrier.

BS in Aerospace Engineering, Virginia Tech **Aug 2011 – May 2015**

- Summa Cum Laude, Class Rank: 6/128 (Top 5%), Cumulative GPA: 3.83/4.0.

Research experience

Research Assistant, Bristol Composites Institute **Sep 2015 – present**

- Mathematical modelling of Composite Aircraft Structures using analytical models.
- Design, manufacture and test of composite morphing wings.
- Fluid-Structure Interaction (FSI) and aeroelastic analysis of morphing wings.
- Composite manufacturing and mechanical testing of composites and elastomers.
- Experimental Techniques: Wind Tunnel Testing, Digital Image Correlation (DIC) and Particle Image Velocimetry (PIV).
- Manufacturing Techniques: 3D-Printing, Prepreg Hand Layup, Machining.
- Control: Servo Control using Arduino and MATLAB based controllers.

Summer Research Intern, Bristol Composites Institute **Jun 2013 – Aug 2014**

- Design and analysis of folding composite beam using FEM (Abaqus/CAE).
- Manufacturing of composite beams using hand layup and autoclave curing.

Undergraduate Research Assistant, Virginia Tech **Jan 2013 – Dec 2014**

- Manufacturing of Pressurised Artificial Muscles, and design of experiments.

Publications

Journal articles:

Garcia, JH, Fournier, S, Cooper, JE, Manolesos, M & Woods, BKS, "Wind Tunnel Comparison of Flapped and FishBAC Camber Variation for Lift Control," To be submitted to *AIAA Journal*.

Garcia, JH, Weaver, PM., Cooper, JE, & Woods, BKS (2019). Structural Modeling of Compliance-Based Camber Morphing Structures under Transverse Shear Loading. Submitted to *AIAA Journal*.

Garcia, JH, Fournier, S, Weaver, PM, Cooper, JE, & Woods, BKS, "Structural Characterization of a Composite FishBAC Morphing Trailing-Edge Device," *JEC Composites Magazine*, N^0 128, May-June 2019, pp. 29-31.

Garcia, JH, Weaver, PM, Cooper, JE, & Woods, BKS (2018) Parametric Structural Modelling of Fish Bone Active Camber Morphing Aerofoils. J INTEL MAT SYS STR, 29(9), 2018.

Conference Presentations

- AIAA SciTech Forum 2020, Orlando, FL, USA. Jan 2020.
- 22nd Intl. Conference on Composite Materials, Melbourne, Australia. Aug 2019.
- AIAA SciTech Forum 2019, San Diego, CA, USA. Jan 2019.
- 29th Intl. Conference on Adaptive Structures & Technologies, Seoul, South Korea. Oct 2018.
- 28th Intl. Conference on Adaptive Structures & Technologies, Krakow, Poland. Oct 2017.

Academic & Research Awards

- Harry H. and Lois C. Hilton Best Student Paper in Structures. SciTech, San Diego, 2019.
- Best Oral Presentation Award. International Conference on Adaptive Structures and Technologies, Seoul, 2018.
- 1st Place – ACCIS CDT Conference Poster Competition, University of Bristol, 2018
- 2nd Place – Faculty of Engineering Postgraduate Research Showcase Poster Competition, University of Bristol, 2017.

Public Speaking & Outreach Awards

- Finalist – JEC Composites Challenge at JEC World. Paris, France, 2019.
- Finalist – IMechE WAC Engineering Communication Excellence (Under 35s) Competition, Bristol, UK, 2019.
- Finalist – Airbus Innovation Pitch at Farnborough Air Show. Farnborough, UK, 2018.
- Finalist – University of Bristol Three Minute Thesis (3MT) Competition, Bristol, UK, 2018.
- 2nd Place – I'm an Engineer, Get me out of here! Challenge, 2017.

Teaching experience

Teaching Assistant, University of Bristol **Sep 2016-present**

- 3 x UG units (Aeronautics and Mechanics, Numerical Methods for Civil Engineering, Structures and Materials 2) and 1 x PG unit (Research Skills: Abaqus/CAE).

Academic Service

Course Representative, ACCIS CDT, University of Bristol **2018-2020**

- Liaising between PhD students and academic staff as student cohort representative in the Management Committee of the Centre for Doctoral Training in Advanced Composites.

Key Skills

- MATLAB
- Autodesk Inventor (CAD)
- SolidWorks (CAD)
- Wolfram Mathematica
- Abaqus/CAE (FEM)
- LaTeX
- Spanish (Native Language)
- English (Bilingual Proficiency)

References:

- Dr Sahana Khatri, University of Bristol, name.initial.surname@bristol.ac.uk
- Prof. Peter Fletcher, University of Bristol, name.surname@bristol.ac.uk
- Prof. Lewis Farrier, University of Bristol, name.surname@bristol.ac.uk

Example 5: Engineering academic CV for teaching position

Juan Hernández Garcia

firstname.surname@bristol.ac.uk Tel: +44789 121234 linkedin.com/in/namesurname/

Final year Aerospace Engineer PhD researcher skilled in composite materials (analysis and manufacture), structural mechanics, mathematical modelling, Finite Element Method, aircraft performance, wind tunnel testing, fluid-structure interaction, aeroelasticity, and material testing.

Education

PhD in Advanced Composites, University of Bristol **Sep 2015 – Mar 2020**

- PhD Thesis: Structural and Aerodynamic Performance of a Three-Dimensional Compliance-based Composite Camber Morphing Wing.
- Supervisors: Dr Sahana Khatri (primary), Prof. Peter Fletcher, Prof. Lewis Farrier.

BS in Aerospace Engineering, Virginia Tech **Aug 2011 – May 2015**

- Summa Cum Laude, Class Rank: 6/128 (Top 5%), Cumulative GPA: 3.83/4.0.

Teaching experience

Teaching Assistant, University of BristolSep 2016-present

- Small and large-group teaching on 3 undergraduate units (Aeronautics and Mechanics, Numerical Methods for Civil Engineering, Structures and Materials 2).
- Teaching technical skills (Abaqus/CAE) during 1 postgraduate unit.
- Designing and delivering content for individual sessions.
- Experienced in using presentation softwares such as Powerpoint, Prezzi, and TurningPoint to create engaged learning experience within sessions.
- Delivering marking, assessment, and feedback through online Blackboard CMS within hard 1-week deadlines set by School administration staff.
- Creating written reports to feed into continual assessment and improvement of taught content within modules.

Conference Presentations

- AIAA SciTech Forum 2020, Orlando, FL, USA. Jan 2020.
- 22nd Intl. Conference on Composite Materials, Melbourne, Australia. Aug 2019.
- AIAA SciTech Forum 2019, San Diego, CA, USA. Jan 2019.
- 29th Intl. Conference on Adaptive Structures & Technologies, Seoul, South Korea. Oct 2018.
- 28th Intl. Conference on Adaptive Structures & Technologies, Krakow, Poland. Oct 2017.

Public Speaking & Outreach Awards

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Garcia, JH, Weaver, PM., Cooper, JE, & Woods, BKS (2019). Structural Modeling of Compliance-Based Camber Morphing Structures under Transverse Shear Loading. Submitted to *AIAA Journal*.

Garcia, JH, Fournier, S, Weaver, PM, Cooper, JE, & Woods, BKS, "Structural Characterization of a Composite FishBAC Morphing Trailing-Edge Device," *JEC Composites Magazine*, N^0 128, May-June 2019, pp. 29-31.

Garcia, JH, Weaver, PM, Cooper, JE, & Woods, BKS (2018) Parametric Structural Modelling of Fish Bone Active Camber Morphing Aerofoils. J INTEL MAT SYS STR, 29(9), 2018.

Academic Service

Course Representative, ACCIS CDT, University of Bristol **2018 – 2020**

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Research experience

Research Assistant, Bristol Composites Institute **Sep 2015 – present**

- Mathematical modelling of Composite Aircraft Structures using analytical models.
- Design, manufacture and test of composite morphing wings.
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- Composite manufacturing and mechanical testing of composites and elastomers.
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- Manufacturing Techniques: 3D-Printing, Prepreg Hand Layup, Machining.
- Control: Servo Control using Arduino and MATLAB based controllers.

Academic Awards

- Harry H. and Lois C. Hilton Best Student Paper in Structures. SciTech, San Diego, 2019.
- Best Oral Presentation Award. International Conference on Adaptive Structures and Technologies, Seoul, 2018.
- 1st Place – ACCIS CDT Conference Poster Competition, Bristol, 2018
- 2nd Place – Faculty of Engineering PGR Showcase Poster Competition, Bristol, 2017.

Key Skills

- MATLAB
- Autodesk Inventor (CAD)
- SolidWorks (CAD)
- Wolfram Mathematica
- Abaqus/CAE (FEM)
- LaTeX
- Spanish (Native Language)
- English (Bilingual Proficiency)

References:

- Dr Sahana Khatri, University of Bristol, name.initial.surname@bristol.ac.uk
- Prof. Peter Fletcher, University of Bristol, name.surname@bristol.ac.uk
- Prof. Lewis Farrier, University of Bristol, name.surname@bristol.ac.uk

Example 6: Engineering non-academic CV

Juan Hernández Garcia

firstname.surname@bristol.ac.uk Tel: +44789 121234 linkedin.com/in/namesurname/
Spanish (Native Language) English (Bilingual Proficiency)

Key Skills

- MATLAB
- Autodesk Inventor (CAD)
- SolidWorks (CAD)
- Wolfram Mathematica
- Abaqus/CAE (FEM)
- LaTeX

Education

PhD in Advanced Composites, University of Bristol **Sep 2015 – Oct 2020**

- PhD Thesis: Structural and Aerodynamic Performance of a Three-Dimensional Compliance-based Composite Camber Morphing Wing
- Submitted three journal papers and presented at five international conferences
- Awarded two student paper awards at two international conferences

BS in Aerospace Engineering, Virginia Tech **Aug 2011 – May 2015**

- Cumulative GPA: 3.83/4.0. Summa Cum Laude, Class Rank: 6/128 (Top 5%)

Research experience

Research Assistant, Bristol Composites Institute **Sep 2015 – date**

- Mathematical modelling of Composite Aircraft Structures using analytical models.
- Design, manufacture and test of composite morphing wings, composites, and elastomers using 3D-Printing, Prepreg Hand Layup, and Machining.
- Fluid-Structure Interaction (FSI) and aeroelastic analysis of morphing wings.
- Wind Tunnel Testing, Digital Image Correlation (DIC) and Particle Image Velocimetry (PIV).
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Summer Research Intern, Bristol Composites Institute **Jun 2013 – Aug 2014**

- Design and analysis of folding composite beam using FEM (Abaqus/CAE).
- Manufacturing of composite beams using hand layup and autoclave curing.

Teaching experience

Teaching Assistant, University of Bristol **Sep 2016 – date**

- Teaching undergraduate students on 3 units (Aeronautics and Mechanics, Numerical Methods for Civil Engineering, Structures and Materials 2).
- Teaching postgraduate students how to use specialised software (Abaqus/CAE).

Course Representative, ACCIS CDT, University of Bristol **Sep 2018 – 2020**

- Cohort's student representative against the Centre for Doctoral Training (CDT) in Advanced Composite's Management Committee.
- Liaison between PhD students and academic staff.

Hobbies and interests

- Long-Distance Running – regularly participate in marathons and half-marathons.
- Cooking – particularly Haitian, but I am also learning Japanese-style.

Example 7: Life Sciences academic CV for research

Philip Cory

E-mail phil.cory@bristol.ac.uk

Telephone 07777 996633

Education

2018-2021 **University of Bristol**
PhD in Physiology and Pharmacology
- Co-authored grant application for BHF studentship
- Supervisors: Dr Sarah Charleston and Professor Ioanna Evangelous

2017-2018 **University of Bristol**
MSc by Research in Physiology and Pharmacology
- MSc data used to support PhD studentship grant application

2008-2011 **Bangor University**
BSc in Zoology 2.1.

2006-2008 **Palmers College**
A-Levels in Biology, English Literature and Maths

2001-2006 **Gable Hall School**
13 GCSE's including English (Double), Maths and Science (Triple). AS-Levels Environmental Science and Physical Education.

Research Experience

2018-2021 **PhD, University of Bristol**

Characterisation of factum est physiology and pharmacology pertaining to extracellular vesicle delivered microRNAs during heart injury and repair.

Experience in:
- Microsurgery, cardiac cryo-injury and intraperitoneal injection
- Histology, cryo-sectioning and immunohistochemistry
- Protein extraction and western blot
- Light microscopy (confocal, multiphoton and light sheet)
- Transmission electron microscopy
- Flow cytometry (Image Stream and BD Influx)

2018 **Visiting Researcher, University of Exeter**

Collaborating for access to an imaging flow cytometer (Image Stream) to perform novel analysis of cell-type specific extracellular vesicles in factum est physiology and pharmacology.

2017-2018 **MSc, University of Bristol**

Developing factum est physiology and pharmacology models for the study of extracellular vesicles and their role in cardiovascular systems.

Experience in: • Super resolution microscopy (HyVolution/STED and TIRF)
• Image preparation and analysis (IMARIS and Photoshop)
• Tissue dissection and cell dissociation
• Flow cytometry and nanoparticle tracking analysis
• Microinjection (intravenous, zebrafish larvae)

2017 **Visiting Researcher, Brunel University London**

Collaborating for access to histological equipment and gonad identification expertise

2016-2017 **Research Technician, University of Exeter**

Establishing CRISPR/Cas9 gene knockout in the laboratory.

Experience in: • Molecular biology (cloning, PCR and gel electrophoresis)
• Microinjection (1-cell stage zebrafish embryos)
• Live imaging and image analysis (ImageJ)
• Transgenic zebrafish maintenance

2008-2011 **BSc, Bangor University**

Using the cichlid fish model to investigate behavioural barriers to reproduction and the potential roles in speciation.

Experience in: • DNA extraction and paternity testing
• Behavioural assays (field and laboratory based)

Relevant work experience

2014-2017 **Research Technician, University of Exeter**

Using and developing transgenic zebrafish to research the role of estrogen signalling in brain development and function.

Experience in: • Chemical exposures on zebrafish
• Managing the transgenic zebrafish facility

2010-2013 **Aquarium Husbandry Assistant (Voluntary), Bangor University**

Experience in: • Aquatic organism husbandry
• Preparation of aquatic organisms for research and teaching

2009-2013 **Junior Marine Wildlife Officer (Voluntary), North Wales Wildlife Trust**

Raising environmental awareness for key issues in the local area.

Experience in: • Organising ecological surveys, lectures and fundraisers
• Data management for a cetacean population study

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Invited Speaker

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Talk title: *In vivo* characterisation of endothelial-derived extracellular vesicles in factum est physiology

Oral Presentation

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Talk title: In vivo visualisation and characterisation of endogenous cardiovascular extracellular vesicles in factum est physiology

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Talk title: In vivo characterisation of endogenous cardiovascular extracellular vesicles and their response to ischaemic injury

2018 **Physiological Soc. Experimental Models in Physiology, Uni. of Exeter**

Talk title: In vivo dynamics of factum est physiology and pharmacology

Poster Presentations

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2019 Bristol Heart Institute Annual Meeting, University of Bristol

2018 Bristol Heart Institute Annual Meeting, University of Bristol

2017 UK-Extracellular Vesicle Forum Fourth Annual Meeting, Uni. of Birmingham

2017 Extracellular Vesicles Meeting, University of Cambridge

2017 Regenerative Medicine Centres Conference, University of Nottingham

Conferences Attended

2020	Infection and Immunity Early Career Researchers' Symposium, Uni. of Bristol
2017	Centre of Regenerative Medicine Annual Oxbridge Meeting, Royal Society
2016	13th Transgenic Technologies Meeting, Prague
2016	Laboratory Animal Science Association Annual Conference, London

Teaching

2017-2021 **Demonstrator, University of Bristol**

Supporting undergraduates in histology practical classes

2017 **Demonstrator (Biomedical Sciences Open Day), University of Bristol**

Running physiology practical classes – electrocardiogram experiments

2016 **Graduate Teaching Assistant, University of Exeter**

Working with lecturers to prepare practical classes in animal physiology

2014-2015 **Demonstrator, University of Exeter**

Supporting undergraduates in genetics and animal physiology classes

2012-2013 **Demonstrator, Bangor University**

Supporting undergraduates in vertebrate biology practical classes

Event Management

2020 **Organiser for South West (UK) Extracellular Vesicles Meeting**

Planning and delivering a 1-day meeting to improve networking between extracellular vesicle researchers in the region

2020 **Organiser for 'Introduction to Programming with MATLAB' Workshop**

Planning and delivering a 4-day networking workshop aimed at introducing biomedical researchers to and building a community around MATLAB use.

2019 **Organising Committee for South West (UK) Factum Est Meeting**

Planning and delivering a 1-day meeting to improve networking between zebrafish researchers in the region.

2019 **Organiser for 'Equality, Diversity and Inclusion in Academia' Workshop.**

2016 **Conference Volunteer, 16th International Behavioural Ecology Congress**

Outreach

2019 **Voices of the Future Event, Houses of Parliament, London**

Representing the Society for Experimental Biology at a question and answer session with science and technology select committee members and the relevant shadow minister and minister.

2018 **Speaker for British Heart Foundation Store Opening, Bristol**

2018 **British Heart Foundation Outreach Event for Donors/Associates**

Presenting our British Heart Foundation funded research in a way that is informative, accessible and engaging.

2017 **Research without Borders Festival, University of Bristol**

Presenting my MSc research to a non-specialist audience

2017 **Science is Vital lobbying group, Houses of Parliament, London.**

Pastoral and Committee Service

2018-2019 **Physiology, Pharmacology and Neuroscience Postgraduate Representative, University of Bristol**

Contributing to monthly postgraduate committee meetings and annual board of studies meetings as well as organising workshops, seminars and social events for postgraduate students in the school.

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- NC3Rs (£250)

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2019 Physiological Society Travel Grant (£500)
2019 British Society for Cell Biology Travel Grant (£750)
2019 University of Bristol Alumni Foundation Travel Grant (£150)
2019 HelloBio Travel Grant (£380)
2018 Physiological Society Travel Grant (£200)
2018 British Heart Foundation PhD Studentship (£107,972)
2017 University of Bristol Alumni Foundation Travel Grant (£400)
2017 Leducq transatlantic network MIRVAD sponsored MSc by Research
2016 University of Exeter, CLES Travel Grant (£500)

Personal Prizes

2019	1st Place Oral Presentation Award, Bristol Endothelial Meeting (£50)
2019	2nd Place University of Bristol 'Art of Science' Image Competition (£20)
2018	2nd Place University of Bristol 'Art of Science' Image Competition (£50)
2017	1st Place UK-EV Forum Annual Meeting Poster Competition (£50)
2016	University of Exeter, Technical Services Above and Beyond Award (£100)
2015	University of Exeter, Technical Services Above and Beyond Award (£150)

Courses and Workshops

2020	Introduction to Programming with MATLAB, University of Bristol
2019	Principles & Applications of Flow Cytometry, University of Bristol
2019	Demonstrating in Practical Classes, University of Bristol
2019	Equality, Diversity and Inclusion in Academia, University of Bristol.
2018	Light sheet microscopy workshop: *in vivo* imaging of the cardiovascular system and whole organisms, University of Birmingham.
2017	Accredited training for personnel working under the Animals (Scientific Procedures) Act 1986: module 4 (surgery module).
2017	Wellcome Trust Science Communication Workshop, University of Bristol
2016	Introduction to Python and Data Analysis with Python, University of Exeter
2016	Public Engagement Workshop, Understanding Animal Research, London
2016	Zebrafish Husbandry, Care and Welfare Workshop (4 days), University College London
2016	Zebrafish Genome Editing Workshop (3 days), Institute of Molecular Genetics of the ASCR
2016	Servicing and Maintaining Optical Microscopes, University of Exeter
2016	Emergency First Aid at Work, University of Exeter
2015	Image processing with ImageJ, University of Exeter
2015	Accredited training for personnel working under the Animals (Scientific Procedures) Act 1986: modules 1, 2 and 3. Fish (Freshwater and Marine)

Society and Professional Membership

2019-present	The Royal Society of Biology (Member)
2018-present	The Society for Experimental Biology (Student Member)
2018-present	The UK Society for Extracellular Vesicles (Student Member)
2018-present	The British Society for Cardiovascular Research (Student Member)
2017-present	The Physiological Society (Student Member)
2017-present	The Royal Microscopical Society (Student Member)
2017-present	International Society for Extracellular Vesicles (Member)
2017-present	Zebrafish Disease Models Society (Trainee Member)
2017-present	British Society of Cell Biology (Student Member)
2016-2017	International Society of Transgenic Technologies (Technician Member)
2016-2017	Zebrafish Husbandry Association (Full Member)
2016-2017	Institute of Animal Technology (Affiliate Member)
2016-2017	Institute of Science and Technology (MIScT)

Field Work

2011	**Tanzania, Africa** (1 week)
	Behavioural data collection, including at an unexplored study site
2010	**Malawi, Africa** (2 weeks)
	Behavioural data and specimen collection for 3rd year dissertation project
2010	**Tenerife, Canary Islands** (2 weeks)
	Third year project looking at species adaptation and evolution
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	Field trip honing skills in animal behaviour observation

References

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s.charleston@bristol.ac.uk

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i.evangelous@imperial.ac.uk

Prof. Nick Cole-Ewing
Biosciences
University of Exeter
+44 139 272 4450
n.cole@exeter.ac.uk

Example 8: Life Sciences academic CV for teaching

Philip Cory

E-mail: phil.cory@bristol.ac.uk Telephone: 07777 996633

Education

2018-2021 **PhD in Physiology and Pharmacology, University of Bristol**
- Co-authored grant application for BHF studentship
- Supervisors: Dr Sarah Charleston and Professor Ioanna Evangelous

Characterisation of factum est physiology and pharmacology pertaining to extracellular vesicle delivered microRNAs during heart injury and repair.

Experience in: - Microsurgery, cardiac cryo-injury and intraperitoneal injection

- Histology, cryo-sectioning and immunohistochemistry
- Protein extraction and western blot
- Light microscopy (confocal, multiphoton and light sheet)
- Transmission electron microscopy
- Flow cytometry (Image Stream and BD Influx

2017-2018 **MSc (Res) in Physiology and Pharmacology, University of Bristol**
- MSc data used to support PhD studentship grant application

Teaching experience

2017-2021 **Demonstrator, University of Bristol**
Supporting undergraduates in histology practical classes

2017 **Demonstrator (Biomedical Sciences Open Day), University of Bristol**
Running physiology practical classes – electrocardiogram experiments

2016 **Graduate Teaching Assistant, University of Exeter**
Working with lecturers to prepare practical classes in animal physiology

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2011	**Tanzania, Africa** (1 week)
	Behavioural data collection, including at an unexplored study site
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	Behavioural data and specimen collection for 3rd year dissertation project
2010	**Tenerife, Canary Islands** (2 weeks)
	Third year project looking at species adaptation and evolution
2009	**Florida, USA** (1 week)
	Field trip honing skills in animal behaviour observation

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Prof. Nick Cole-Ewing
Biosciences
University of Exeter
+44 139 272 4450
n.cole@exeter.ac.uk

Example 9: Life Sciences non-academic CV

Philip Cory

Telephone: 07777 996633 E-mail: philip.cory@bristol.ac.uk

Education

2018-2021 **University of Bristol,** PhD in Physiology and Pharmacology

- Co-authored grant application for £107,972 studentship grant
- 3 x publications, RwB poster presentation for non-academics
- Numerous funding awards, £5600 raised towards a conference
- Microsurgery, cardiac cryo-injury and intraperitoneal injection
- Histology, cryo-sectioning and immunohistochemistry
- Protein extraction and western blot
- Light microscopy (confocal, multiphoton and light sheet)
- Transmission electron microscopy
- Flow cytometry (Image Stream and BD Influx)

2017-2018 **University of Bristol,** MSc by Research in Physiology and Pharmacology

- MSc data used to support PhD studentship grant application

2008-2011 **Bangor University,** BSc in Zoology 2.1.

Research Experience

2018 **Visiting Researcher, University of Exeter**

- Collaborating for access to an imaging flow cytometer (Image Stream) to perform novel analysis of cell-type specific extracellular vesicles in factum est physiology and pharmacology.

2017 **Visiting Researcher, Brunel University London**

- Collaborating for access to histological equipment and gonad identification expertise.

2014-2017 **Research Technician, University of Exeter**

- Using and developing transgenic zebrafish to research the role of estrogen signalling in brain development and function.
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- Molecular biology (cloning, PCR and gel electrophoresis)
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- Aquatic organism husbandry.
- Preparation of aquatic organisms for research and teaching

2009-2013 **Junior Marine Wildlife Officer (Voluntary), North Wales Wildlife Trust**

- Raising environmental awareness for key issues in the local area.
- Organising ecological surveys, lectures and fundraisers
- Data management for a cetacean population study

Teaching experience

2017-2021 **Demonstrator, University of Bristol**

- Supporting undergraduates in histology practical classes
- Running physiology practical classes – electrocardiogram experiments

2016 **Demonstrator, University of Bristol**

- Working with lecturers to prepare practical classes in animal physiology

2014-2015 **Demonstrator, University of Bristol**

- Supporting undergraduates in genetics and animal physiology classes

2012-2013 **Demonstrator, Bangor University**

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2019 **Organiser for 'Equality, Diversity and Inclusion in Academia' Workshop.**

- Supporting undergraduates in vertebrate biology practical classes

Volunteering

2018 **Speaker for British Heart Foundation Store Opening, Bristol**

2018 **British Heart Foundation Outreach Event for Donors/Associates**

- Presenting our British Heart Foundation funded research in a way that is informative, accessible and engaging.

2017 **Science is Vital lobbying group, Houses of Parliament, London.**

- Planning and delivering a 1-day meeting to improve networking between factum est physiology researchers in the region.

Example 13: Science academic CV for research (Chemistry)

Katerina Kostopoulou

Faculty of Science, University of Bristol, United Kingdom
Firstname.Surname@bristol.ac.uk +44 (0)789 123 4567

Research Profile

My main research interest is the human – environment system: detecting, quantifying and monitoring the effects of anthropogenic activity on different media (i.e. atmosphere, ocean) using a combination of top-down and bottom-up methods, tools and approaches such as remote sensing, high frequency observations, analytical and computational methods (numerical modelling, statistical analysis etc). My work is interdisciplinary and often based on systems thinking and the Sustainable Development Goals.

Human – Atmosphere interaction:

- Current work includes climate change, atmospheric chemistry and greenhouse gas emissions. Using atmospheric modelling (NAME, MOZART, STOCHEM), high frequency atmospheric observations and building new bottom-up inventories my work mapped and decreased historical and persisting discrepancies between atmospheric concentrations and previous inventories of the anthropogenic gasses (perfluorocarbons) CF4 and C2F6.
- Both bottom-up and top-down approaches were used; I developed a new quantification method to produce a new bottom-up inventory of global PFC emissions and allocate them emission to their respective sources (bottom-up approach) and also did regional modelling (with a focus on the East Asia domain) to produce top-down PFC estimates.
- I developed a new impact factor that can be used to estimate anthropogenic burden of a pollutant and weigh the effect against potential socio-economic benefits of the sector producing the pollutant.

Previous research includes evaluating atmospheric models using satellite and ground station information (model verification), using satellite data for operational forecasting use and comparative analysis of different atmospheric models (ECMWF, COSMO), gridding satellite data for regional use. Other work includes climate change in relation to sustainable development, resilience, health, policy and future cities.

Human – Ocean interaction:

- My research interests and experience range from understanding the physical processes that govern ocean circulation, analysis of hydrographic parameters and modelling of ocean circulation, development of research and policy protocols, water, sediment and tissue analysis to map microplastic distribution and develop strategies to mitigate plastic and microplastic pollution on regional levels.
- I have worked on mapping Posidonia fields (ArcGIS) and recording and monitoring wetlands (Samos wetland) including installing and managing equipment.

Previous research includes analysing hydrographic parameters to study the circulation in the Strait of Bab El Mandeb (work completed as part of my dissertation), analysing toxicity levels in fish and large marine mammals, climate change and its effects on biodiversity and ecosystem health with a focus on endangered and invasive species in the Mediterranean waters. Other work includes fisheries, aquacultures and their policy implications on a regional (Norway, Chile, Greece) and global scales, freshwater management and water access (see below – Croatia).

Sustainable Development and human – environment interactions:

- My work has been focusing on the development and delivery of interdisciplinary sustainable development projects that use the Sustainable Development Goals (SDGs) as a framework.
- I have been building interdisciplinary projects in the Adriatic that focus on exploring local and global challenges such as life under water, climate change and life on land and their impact on human health, access to fresh water and water management. These projects use a holistic approach that considers the needs and priorities of the local communities as well as the environmental challenges and combine social and natural science as well as qualitative and quantitative methods.
- Other work includes developing post-disciplinary theoretical frameworks on the SDGs and appropriate quantification methods.

Education

PhD Chemistry, University of Bristol **2015 – 2019**
Thesis title: *Using systems thinking and sustainable development as a framework to bridge the gap between top-down and bottom-up estimates for CF4 and C2F6*

- **Level 1 CREATE,** Associate Fellow Higher Education Academy

BSc Physics, University of Athens **2012 – 2015**
Thesis title: *Seasonal variation of hydrographic parameters in Red Sea and strait of Bab El Mandeb.*

PhD Research

My PhD research focussed on quantifying PFC emissions associated with the aluminium, semiconductor and rare-earth smelting industry, building a new bottom-up (inventory-based) estimates of CF4 and C2F6, and improving past and current discrepancies between bottom-up inventories and top-down (observation-based) estimates.

Various modelling techniques (forward and inverse) were used as well as analysis and compilation of different large datasets. Additionally, this work is introducing a new framework to interpret long-lived greenhouse gases (like PFCs) based on systems thinking, SDGs and the wicked problems theory.

This work has been co-developed with representatives of the aluminium industry (the International Aluminium Institute), semiconductor industry (SEMI) and the emissions abatement industry (Edwards Ltd) and in collaboration with the Met Office, the National Physics Laboratory (NPL) and Scripps Institute of Oceanography. It has also been shortlisted as a potential impact case study for REF2021 for the Department of Chemistry, University of Bristol.

Languages

Greek: Excellent (Native Speaker)
English: Excellent (Cambridge English Proficiency (CPE))
French: Excellent (Sorbonne C2)
Swedish: Good (B2)
Dutch, Italian, Spanish: Conversational (no degrees)
Chinese, Russian: Beginner

Coding languages: Python, Matlab, Fortran

Selected relevant publications and contributions to conferences

1) Kostopoulou, K.: Challenges in estimating global CF4 and C2F6 emissions (2018). Published in Light Metals 2018, Chapter: Perfluorocarbon Generation and Emissions from Industrial Processes, pp 1499-1506.
2) Kostopoulou, K., Shallcross E.D, Atkins E., Tierney A., Norman N.C., Priest P., O'Doherty S., Saunders R., Birkett A., Willmore C., Ninos I.: The end of simple problems: Chemistry in higher education, Journal of Chemical Education (2019), Manuscript ID ed-2019-002704.R1
3) Mühle, J., Trudinger, C. M., Rigby, M., Western, L. M., Vollmer, M. K., Park, S., Manning, A. J., Say, D., Ganesan, A., Steele, L. P., Ivy, D. J., Arnold, T., Li, S., Stohl, A., Harth, C. M., Salameh, P. K., McCulloch, A., O'Doherty, S., Park, M.-K., Jo, C. O., Young, D., Stanley, K. M., Krummel, P. B., Mitrevski, B., Hermansen, O., Lunder, C., Evangeliou, N., Yao, B., Kim, J., Hmiel, B., Buizert, C., Petrenko, V. V., Arduini, J., Maione, M., Etheridge, D. M., Kostopoulou, K., Czerniak, M., Severinghaus, J. P., Reimann, S., Simmonds, P. G., Fraser, P. J., Prinn, R. G., and Weiss, R. F.: Perfluorocyclobutane (PFC-318, c-C4F8) in the global atmosphere, Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2019-267, in review, 2019.
4) Kostopoulou, K., Czerniak M., Vogel H., Khan A., Beer L., Mühle J., Kim J., Shallcross D., Buckland B., Rigby M., O'Doherty S.: Reconstruction of bottom-up inventory of CF4 and assessment of discrepancies between bottom-up inventory and top-down estimates. (2019 – in preparation / to be submitted in Environmental Science and Technology)
5) Kostopoulou, K., Czerniak M., Vogel H., Khan A., Mühle J., Kim J., Shallcross D., Rigby M., O'Doherty S.: Reconstruction of bottom-up inventory of C2F6 and assessment of discrepancies between bottom-up inventory and top-down estimates. (2019 – in preparation / to be submitted in Environmental Science and Technology)
6) Walsh, A., Kostopoulou, K., Tierney, A., Tweddell, H., Preist, C. and Willmore, C., 2020. Sustainability in Higher Education: Beyond the Green Mirror. In Universities as Living Labs for Sustainable Development (pp. 183-191). Springer, Cham.
7) Filho W., Vargas V., Salvia A., Brandli L., Pallant E., Klavins M., Ray M., Moggi M., Maruna M., Conticelli E., Ayanore M., Radovic V., Sen S., Paço A., Kostopoulou, K., Hanisdah Saikim F., Koh H., Frankenberger F, Falvey L., Cunha D., Mohammed Akib N., Clarke A., Wall T., Vaccari M.: The Role of Higher Education Institutions in Sustainability Initiatives at the Local Level, 2019. Journal of Cleaner Production.
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9) Fransen, W., Parkes, A., Wright, H., Kostopoulou, K., Miliou, A., Van Den Berg, J., Kliukaite, J. Analysis of microplastic fibre distribution around the coastal zones of the islands of Samos and Lipsi, Greece. Contribution to the 11th Panhellenic Symposium on Oceanography and Fisheries, Mytilene, Lesvos island, Published under the Hellenic Centre of Marine Research (HCMR) Publications (2016) (https://okeanos-dspace.hcmr.gr/handle/123456789/2669?locale-attribute=en)

PhD Research impact on Policy and Industries

- **Intergovernmental Panel on Climate Change 2019 Refinement to the 2006 Guidelines for National Greenhouse gas Inventories:** This work and its outcomes related to PFC emissions from rare earth smelting are now used in the IPCC's 2019 Refinement to the 2006 Guidelines in Chapter 4: Metal Industry Emissions. PFC emissions from the rare earth smelting industry were not included in the previous guidelines, models or inventories.
- **Gas abatement industry:** Edwards Ltd are using this work to influence the semiconductor industry on gas abatement technologies, by presenting to these stakeholders the quantification of PFC emissions from this specific industry. This work has a benefit for both greenhouse gas emissions targets and the competitiveness of a major UK company.
- **Aluminium Industry:** My work and its outcomes have been used in the 2017 PFC steering group for the IAI to identify the major sources of uncertainty in the IAI's emissions estimates.
- **Rare earth smelting industry:** By 2020 the outcomes of this work and the partnerships developed during this project will be advocating in favour of a new round of measurements in the rare earth smelters which will lead to better estimates emission factors for these PFCs and the magnitude of these emissions.
- **Semiconductor industry:** This work impacted the semiconductor industry by demonstrating that this industry is not a major source of PFCs, compared to the aluminium and rare earth industries.

Research Experience and Projects External to Academia

Head scientist and Research Director Interdisciplinary expedition, Albania **2016 – Date**

- My responsibilities include developing interdisciplinary research plans appropriate to the area, act as a catalyst for international networking to be developed and reviewing reports produced at the end of each field season to evaluate outcomes and map future research.

Head scientist Operation Wallacea, Croatian Expedition **2017 – 2018**

- My responsibilities as a head scientist included co-production of the appropriate research plan for the area, data collection and data analysis, developing research methods specific to the area and specific to marine conservation and marine research.

Intern and Researcher Assistant, Hellenic National Meteorological Service **2014 – 2015**

- My responsibilities as a researcher in the HNMS included running atmospheric weather prediction models, participating in the marine weather forecast, produce and review weather maps, validate and verify the atmospheric models (ECMWF, COSMO) using ground and satellite (ASCAT, OSCAT and other EUMETSAT satellites) data.

Assistant to the research director, Archipelagos **2013 – 2015**
(Greek Non-Governmental Organisation based on Samos island)

- My responsibilities as an assistant to the research director consisted of preparing the annual research plan for terrestrial and marine projects, focus on plastic and microplastic distribution in the Aegean (sampling, analysis, modelling).
- My research duties ranged from GIS mapping of Posidonia fields to atmospheric and marine parameter data collection, analysis and equipment installation.

Example 13: Science academic CV for research (Chemistry)

Selected International and/or interdisciplinary projects

1) **Industry/Academia, Knowledge and Research exchange forums:**
   - **Industry-Academia Forum for Global Challenges:** The first joint forum between academia and industry has been held at the University of Bristol in February 2019 and facilitated discussions on global challenges (e.g. climate change, greenhouse gas emissions) their impact on our lives and futures on a local and global scale and how to move towards interdisciplinary research opportunities. Lead, co-organiser. Fully funded event.
   - **Exploring Digital Futures:** a large-scale conference addressing issues related to climate change, aging populations, city and community development lead by the semiconductor industry. Co-lead, co-organiser. Fully funded event.

2) **Adriatic:**
   - **Assessing the Albanian marine ecosystem and underwater heritage; the effects of non-sustainable practices on the local ecosystem and biodiversity:** co-lead (2016 – ongoing). Partners include the Albanian Centre for Marine Research, Albanian Coastal Authorities, NGOs (local and international), the Chair of UNESCO's Scientific and Technical Committee on world underwater cultural heritage and local and international universities (University of Tirana, University of Bristol).
   - **Nivice project:** This project started in 2017 in Albania and explores the potential of connecting mountain communities and sea-shore communities in order to promote eco-tourism. This project has several aspects ranging from marine and terrestrial biodiversity conservation to archaeology. Advisor, research director for the biodiversity and conservation aspect. Partners include local authorities (municipalities), the Albanian Government, the Albanian Coastal Authorities, NGOs (local and international), the Chair of UNESCO's Scientific and Technical Committee on world underwater cultural heritage and local and international universities (University of Tirana, University of Bristol).
   - **The Adriatic ecology course; assessing the terrestrial and marine ecosystems' health and quantifying the impact of anthropogenic burden in the area:** Head scientist, advisor (2017 – ongoing). Partners include several non-government organisations, local and international (20.000 leagues, Deep Blue Explorers Operation Wallacea). Fully funded project.
   - **Silba project; local sustainable development challenges related to energy consumption, climate change, waste production and ecosystem health:** The focus of this project is resource access and management as well as waste management. Head scientist, advisor (2017-ongoing). Partners and extended partners include non-government organisations (Deep Blue Explorers, 20.000 Leagues, By the Ocean We Unite), local authorities and officials from the Croatian Government and universities (University of Wageningen, University of Zadar). Partly funded project.

3) **Bristol:**
   - **Think tanks:** Humans and Oceans (2018-ongoing): A think tank dedicated to the interaction between humans and the oceans. Using interdisciplinarity, qualitative and quantitative methods to map the oceans' greatest challenges. Fully funded.
   - **Capturing Intangibles – post-disciplinarity and the Sustainable Development Goals:** using the metaphor of 'silences' to map and quantify interactions between the SDGs across disciplines. Fully funded.

Selected Professional Responsibilities and Projects

Bristol One City Plan, advisor	**2019 – Date**
Lecturer on the 'Sustainable Development' unit, University of Bristol	**2018 – Date**
Assistant to the Director for 'Sustainable Development' unit, University of Bristol	**2018 – Date**
Contributing author for 2019 IPCC guidelines: Ch. 4, Metal Industry Emissions	**2017 – Date**
Invited member of PFC steering committee, International Aluminium Institute	**2017 – Date**
Postgraduate (PGR) Representative for the School of Chemistry	**2017 – Date**
School Postgraduate Staff-Student Consultative Committee (SPSSCC)	**2017 – Date**
Curriculum developer for University of Bristol's Bristol Futures initiative	**2016 – Date**
Head scientist for the Croatian NGO 'Deep Blue Explorers'	**2015 – Date**
Member of the Green Curriculum Team	**2017 – 2018**

Teaching and Curriculum Development

Within the University of Bristol my work has focused on curriculum development, impact through curriculum change and delivering high quality lectures. For three years I have been assigned leading roles within the Bristol Futures educational strategic initiative.

While conducting research in the field, I supervised and co-supervised many international students, undergraduates and postgraduates, but also line-managed several teams of experts.

Sustainable Development **2018 – Date**

- Offered to 1st and 2nd year students across the entire university.
- In addition to lecturing on this course I am also the assistant to the unit director.
- This is a blended-learning unit with content delivered both online and offline.
- This is an interdisciplinary unit that uses sustainable development as an overarching framework to present environmental change challenges and consists of six blocks with different themes.

Big Ideas in Science **2018 – Date**

- Teaching assistant for the 20 credit points optional unit offered in Chemistry

Sustainable Futures Massive Online Open Course (MOOC) **2017 – Date**

- This course runs three times a year over four weeks and has been made available to both students (undergraduates and postgraduates) and external learners.
- This course consists of interdisciplinary content broken into different themes and discusses global as well as local challenges related to the broader theme of the environment.
- Internal statistics show this course has an excellent participation and completion rate as well as excellent representation from BME students.

The Adriatic ecology course: Operation Wallacea **2017 – Date**

- Based in Croatia and the national park of Mljet, this project engages the scientific and academic community with students, offering the students the possibility to be involved in field research being carried out in the area.

Frontiers in Earth Science **2017 – Date**

- 4th Year MSci students both in academic and non-academic environments.
- The majority of my students have completed their studies with first class degrees with some remaining in academia but most having moved on to high profile, highly sought jobs.

Mapping graduate needs specific to industries **2017 – Date**

- For the aluminium, semiconductor, gas abatement sectors.
- I also am working on setting up industry-focused, skills-based frameworks in the curriculum.

Supervision and Mentoring **2017 – Date**

- Several BSc and MSci students both in academic and non-academic environments. The majority of my students have completed their studies with first class degrees with some remaining in academia but most having moved on to high profile, highly sought jobs.

Inclusion and Diversity **2014 – Date**

- Throughout my career I have led and participated in several schemes dedicated to widening participation and inclusivity of marginalized groups in Higher Education (e.g. Access Bristol, Catalyst Bootcamp 2018).

Sustainable Development (previous version) **2016 – 2018**

- This unit provided a multidisciplinary approach to education for sustainable development and deliver lectures that help the students understand and engage with global challenges as those are described in the Sustainable Development Goals (SDGs) framework.
- This was an award-winning unit that earned an International Green Gown Award for Innovation, and a Times Higher Award for Sustainable Development.

Cardiff Marine Geography field course on Samos, Greece **2013 – 2015**

- I supervised and helped run this project for two years.

Collaboration

External to the University of Bristol (few selected and ongoing)

- Dr Jens Muhle, Scripps Oceanography Institute: bottom-up estimates of PFC emissions.
- Dr Jooil Kim, Scripps Oceanography Institute: bottom-up estimates of PFC emissions.
- Dr Alistair Manning (visiting professor), Met Office: modelling PFC emissions.
- Dr Allison Redington, Met Office: modelling PFC emissions.
- Dr Tim Arnolds, The National Physics Laboratory: modelling PFC emissions.
- Auron Tare, UNESCO chair for scientific council on Underwater World Assets: working on sustainable development projects.
- International Aluminium Institute, Pernelle Nunez (Sustainability manager): bottom-up estimates of PFC emissions and the IPCC chapters.
- Dr Debborah Ottinger, United States Environmental Protection Agency (US EPA): working on the IPCC chapters.
- Dr Mike Czerniak (visiting professor), Edwards LTD: quantifying PFC emissions and working on the IPCC chapters.
- Laith Altimime, President of SEMI organisation: working on policy making related to the semiconductor industry.

Internal to the University of Bristol (few selected and ongoing)

- Prof Chris Preist (Engineering): collaborating on the development and delivery of the Sustainable Futures online course, and the Sustainable development optional unit; collaborating project related to PFCs and GHG emissions from the semiconductor industry.
- Prof Chris Willmore (Law): collaborating on developing frameworks for education for sustainable development (ESD) in an interdisciplinary way (Walsh et al., Sustainability in higher education: Beyond the green mirror (WSSDU, 2018).
- Dave Jarman, Dr Sean Shiels, Dr Neil Carhart (Civil Engineering): collaborating on unit development for Bristol Futures; collaborating on introducing systems thinking and thinking design to chemistry and atmospheric research.
- Prof Laura Robinson (earth sciences): collaborating on Bristol Futures units, the Frontiers unit (Earth sciences).
- Dr Laurence Publicover (Arts): collaboration as part of the Bristol Futures optional unit; applied and received funding from the Idea Exchange fund by Brigstow Institute for the project “Think tanks: Humans and Oceans”.
- Prof James Ladyman (Arts): collaborating as part of the Bristol Futures optional units with potential for future collaborations between Arts and Chemistry.
- Prof Alvin Birdi (University Director for Undergraduate studies): collaborating as part of Bristol Futures focusing on assessment and feedback, developing a skills-based curriculum.
- Dr Aisling Tierney (Arts): collaborating on a) Bristol Futures, b) education of sustainable development, c) Project Nivice in Albania.

Referees

Prof. Jennifer Collingwood
Professorial Research Fellow in Physics
School of Physics
University of Bristol
Firstname.Surname@bristol.ac.uk
+44 (0)117 331 1122

Prof. Donald Mortenson
Professor of Chemistry
Dept. of Engineering Mathematics
University of Bristol
Firstname.Surname@bristol.ac.uk
+44 (0)117 331 1123

Example 14: Science academic CV for teaching (Chemistry)

Katerina Kostopoulou

Firstname.Surname@bristol.ac.uk +44 (0)789 123 4567

Education

PhD Chemistry, University of Bristol **2015 – 2019**

Thesis title: *Using systems thinking and sustainable development as a framework to bridge the gap between top-down and bottom-up estimates for CF4 and C2F6*

- **Level 1 CREATE,** Associate Fellow Higher Education Academy

BSc Physics, University of Athens **2012 – 2015**

Thesis title: *Seasonal variation of hydrographic parameters in Red Sea and strait of Bab El Mandeb.*

Teaching experience

Lecturer on the 'Sustainable Development' unit, University of Bristol **2018 – Date**

- An interdisciplinary unit offered to 1st and 2nd year students across the entire university that uses sustainable development as an overarching framework to present environmental change challenges and consists of six blocks with different themes.
- This is a blended-learning unit with content delivered both online and offline.
- In addition to lecturing on this course I am also the assistant to the unit director.

Big Ideas in Science **2018 – Date**

- Teaching assistant for the 20 credit points optional unit offered in Chemistry

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- Several BSc and MSci students both in academic and non-academic environments.
- The majority of my students have completed their studies with first class degrees with some remaining in academia but most having moved on to high profile, highly sought jobs.

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- This course runs three times a year over four weeks and has been made available to both students (undergraduates and postgraduates) and external learners.
- This course consists of interdisciplinary content broken into different themes and discusses global as well as local challenges related to the broader theme of the environment.
- Internal statistics show this course has an excellent participation and completion rate as well as excellent representation from BME students.

Frontiers in Earth Science **2017 – Date**

- 4th Year MSci students both in academic and non-academic environments.
- The majority of my students have completed their studies with first class degrees with some remaining in academia but most having moved on to high profile, highly sought jobs.

Lecture on 'Sustainable Development' module (previous version) **2016 – 2018**

- Delivering lectures to help students understand and engage with global challenges as those are described in the Sustainable Development Goals (SDGs) framework.

- This was an award-winning unit that earned an International Green Gown Award for Innovation, and a Times Higher Award for Sustainable Development.

Curriculum Development

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Cardiff Marine Geography field course on Samos, Greece **2013 – 2015**

- I supervised and helped run this project for two years.

Selected Professional Responsibilities and Projects

Bristol One City Plan, advisor **2019 – Date**

Assistant to the Director for 'Sustainable Development' unit, University of Bristol **2018 – Date**

Contributing author for 2019 IPCC guidelines: Ch. 4, Metal Industry Emissions **2017 – Date**

Invited member of PFC steering committee, International Aluminium Institute **2017 – Date**

Postgraduate (PGR) Representative for the School of Chemistry **2017 – Date**

School Postgraduate Staff-Student Consultative Committee (SPSSCC) **2017 – Date**

Head scientist for the Croatian NGO 'Deep Blue Explorers' **2015 – Date**

Member of the Green Curriculum Team **2017 – 2018**

Languages

Greek: Excellent (Native Speaker)
English: Excellent (Cambridge English Proficiency (CPE))
French: Excellent (Sorbonne C2)
Swedish: Good (B2)
Dutch, Italian, Spanish: Conversational (no degrees)

Example 14: Science academic CV for teaching (Chemistry)

Chinese, Russian: Beginner

Coding languages: Python, Matlab, Fortran

Selected relevant publications and contributions to conferences

1) Kostopoulou, K.: Challenges in estimating global CF4 and C2F6 emissions (2018). Published in Light Metals 2018, Chapter: Perfluorocarbon Generation and Emissions from Industrial Processes, pp 1499-1506.
2) Kostopoulou, K., Shallcross E.D, Atkins E., Tierney A., Norman N.C., Priest P., O'Doherty S., Saunders R., Birkett A., Willmore C., Ninos I.: The end of simple problems: Chemistry in higher education, Journal of Chemical Education (2019), Manuscript ID ed-2019-002704.R1
3) Mühle, J., Trudinger, C. M., Rigby, M., Western, L. M., Vollmer, M. K., Park, S., Manning, A. J., Say, D., Ganesan, A., Steele, L. P., Ivy, D. J., Arnold, T., Li, S., Stohl, A., Harth, C. M., Salameh, P. K., McCulloch, A., O'Doherty, S., Park, M.-K., Jo, C. O., Young, D., Stanley, K. M., Krummel, P. B., Mitrevski, B., Hermansen, O., Lunder, C., Evangeliou, N., Yao, B., Kim, J., Hmiel, B., Buizert, C., Petrenko, V. V., Arduini, J., Maione, M., Etheridge, D. M., Kostopoulou, K., Czerniak, M., Severinghaus, J. P., Reimann, S., Simmonds, P. G., Fraser, P. J., Prinn, R. G., and Weiss, R. F.: Perfluorocyclobutane (PFC-318, c-C4F8) in the global atmosphere, Atmos. Chem. Phys. Discuss., https://doi.org/10.5194/acp-2019-267, in review, 2019.
4) Kostopoulou, K., Czerniak M., Vogel H., Khan A., Beer L., Mühle J., Kim J., Shallcross D., Buckland B., Rigby M., O'Doherty S.: Reconstruction of bottom-up inventory of CF4 and assessment of discrepancies between bottom-up inventory and top-down estimates. (2019 – in preparation / to be submitted in Environmental Science and Technology)
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7) Filho W., Vargas V., Salvia A., Brandli L., Pallant E., Klavins M., Ray M., Moggi M., Maruna M., Conticelli E., Ayanore M., Radovic V., Sen S., Paço A., Kostopoulou, K., Hanisdah Saikim F., Koh H., Frankenberger F, Falvey L., Cunha D., Mohammed Akib N., Clarke A., Wall T., Vaccari M.: The Role of Higher Education Institutions in Sustainability Initiatives at the Local Level, 2019. Journal of Cleaner Production.
8) Kostopoulou, K., Gouliaditis V., Kotta D., Myrsilidis M.: Issuing the marine bulletin in HNMS: checking the operational NWP model performance using satellite and buoy measurements. Contribution for the 12th International Conference on Meteorology, Climatology and Atmospheric Physics (COMECAP 2014), May 2016. [This work received the 'Best Young Scientist Award' for COMECAP 2014]
9) Fransen, W., Parkes, A., Wright, H., Kostopoulou, K., Miliou, A., Van Den Berg, J., Kliukaite, J. Analysis of microplastic fibre distribution around the coastal zones of the islands of Samos and Lipsi, Greece. Contribution to the 11th Panhellenic Symposium on Oceanography and Fisheries, Mytilene, Lesvos island, Published under the Hellenic Centre of Marine Research (HCMR) Publications (2016) (https://okeanos-dspace.hcmr.gr/handle/123456789/2669?locale-attribute=en)

Example 14: Science academic CV for teaching (Chemistry)

Research Profile

My main research interest is the human – environment system: detecting, quantifying and monitoring the effects of anthropogenic activity on different media (i.e. atmosphere, ocean) using a combination of top-down and bottom-up methods, tools and approaches such as remote sensing, high frequency observations, analytical and computational methods (numerical modelling, statistical analysis etc). My work is interdisciplinary and often based on systems thinking and the Sustainable Development Goals.

Human – Atmosphere interaction:

- Current work includes climate change, atmospheric chemistry and greenhouse gas emissions. Using atmospheric modelling (NAME, MOZART, STOCHEM), high frequency atmospheric observations and building new bottom-up inventories my work mapped and decreased historical and persisting discrepancies between atmospheric concentrations and previous inventories of the anthropogenic gasses (perfluorocarbons) CF4 and C2F6.
- Both bottom-up and top-down approaches were used; I developed a new quantification method to produce a new bottom-up inventory of global PFC emissions and allocate them emission to their respective sources (bottom-up approach) and also did regional modelling (with a focus on the East Asia domain) to produce top-down PFC estimates.
- I developed a new impact factor that can be used to estimate anthropogenic burden of a pollutant and weigh the effect against potential socio-economic benefits of the sector producing the pollutant.

Previous research includes evaluating atmospheric models using satellite and ground station information (model verification), using satellite data for operational forecasting use and comparative analysis of different atmospheric models (ECMWF, COSMO), gridding satellite data for regional use.

Human – Ocean interaction:

- My research interests and experience range from understanding the physical processes that govern ocean circulation, analysis of hydrographic parameters and modelling of ocean circulation, development of research and policy protocols, water, sediment and tissue analysis to map microplastic distribution and develop strategies to mitigate regional pollution.
- I have worked on mapping Posidonia fields (ArcGIS) and recording and monitoring wetlands (Samos wetland) including installing and managing equipment.

Sustainable Development and human – environment interactions:

- My work has been focusing on the development and delivery of interdisciplinary sustainable development projects that use the Sustainable Development Goals (SDGs) as a framework.
- I have been building interdisciplinary projects in the Adriatic that focus on exploring local and global challenges such as life under water, climate change and life on land and their impact on human health, access to fresh water and water management. These projects use a holistic approach that considers the needs and priorities of the local communities as well as the environmental challenges and combine social and natural science as well as qualitative and quantitative methods.
- Other work includes developing post-disciplinary theoretical frameworks on the SDGs and appropriate quantification methods.

Example 14: Science academic CV for teaching (Chemistry)

PhD Research

My PhD research focused on quantifying PFC emissions associated with the aluminium, semiconductor and rare-earth smelting industry, building new inventory-based estimates of CF4 and C2F6, and improving past and current discrepancies between inventory- and observation-based estimates.

This work was co-developed with representatives of the aluminium industry (the International Aluminium Institute), semiconductor industry (SEMI), the emissions abatement industry (Edwards Ltd), the Met Office, National Physics Laboratory (NPL) and the Scripps Institute of Oceanography. It has also been shortlisted as a potential impact case study for REF2021 for the Dept. of Chemistry, University of Bristol.

PhD Research impact on Policy and Industries

- **Intergovernmental Panel on Climate Change 2019 Refinement to the 2006 Guidelines for National Greenhouse gas Inventories:** This work and its outcomes related to PFC emissions from rare earth smelting are now used in the IPCC's 2019 Refinement to the 2006 Guidelines in Chapter 4: Metal Industry Emissions. PFC emissions from the rare earth smelting industry were not included in the previous guidelines, models or inventories.
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- **Semiconductor industry:** This work impacted the semiconductor industry by demonstrating that this industry is not a major source of PFCs, compared to aluminium and rare earth.

Research Experience and Projects External to Academia

Head scientist and Research Director Interdisciplinary expedition, Albania **2016 – Date**

- Developing interdisciplinary research plans appropriate to the area, acting as a catalyst for international networking to be developed and reviewing reports produced after field seasons.

Head scientist Operation Wallacea, Croatian Expedition **2017 – 2018**

- Co-production of an appropriate research plan for the area, data collection / analysis, and developing research methods specific to local marine conservation and research.

Intern and Researcher Assistant, Hellenic National Meteorological Service **2014 – 2015**

- Running atmospheric weather prediction models, participating in the marine weather forecast, producing / reviewing weather maps, validating and verifying ECMWF and COSMO atmospheric models using ground and satellite data (ASCAT, OSCAT, EUMETSAT).

Assistant to the research director, Archipelagos (Greek NGO on Samos island) **2013 – 2015**

- Preparing the annual research plan for terrestrial and marine projects, focusing on plastic and microplastic distribution in the Aegean (sampling, analysis, modelling).
- GIS mapping of Posidonia fields, atmospheric / marine parameter data collection and analysis.

Example 14: Science academic CV for teaching (Chemistry)

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   - **Exploring Digital Futures:** a large-scale conference addressing issues related to climate change, aging populations, city and community development lead by the semiconductor industry. Co-lead, co-organiser. Fully funded event.

2) **Adriatic:**
   - **Assessing the Albanian marine ecosystem and underwater heritage; the effects of non-sustainable practices on the local ecosystem and biodiversity:** co-lead (2016 – ongoing). Partners include the Albanian Centre for Marine Research, Albanian Coastal Authorities, NGOs (local and international), the Chair of UNESCO's Scientific and Technical Committee on world underwater cultural heritage and local and international universities (University of Tirana, University of Bristol).
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   - **Think tanks:** Humans and Oceans (2018-ongoing): A think tank dedicated to the interaction between humans and the oceans. Using interdisciplinarity, qualitative and quantitative methods to map the oceans' greatest challenges. Fully funded.
   - **Capturing Intangibles – post-disciplinarity and the Sustainable Development Goals:** using the metaphor of 'silences' to map and quantify interactions between the SDGs across disciplines. Fully funded.

Collaboration

External to the University of Bristol (few selected and ongoing)

- Dr Jens Muhle, Scripps Oceanography Institute: bottom-up estimates of PFC emissions.
- Dr Jooil Kim, Scripps Oceanography Institute: bottom-up estimates of PFC emissions.
- Dr Alistair Manning (visiting professor), Met Office: modelling PFC emissions.
- Dr Allison Redington, Met Office: modelling PFC emissions.
- Dr Tim Arnolds, The National Physics Laboratory: modelling PFC emissions.
- Auron Tare, UNESCO chair for scientific council on Underwater World Assets: working on sustainable development projects.
- International Aluminium Institute, Pernelle Nunez (Sustainability manager): bottom-up estimates of PFC emissions and the IPCC chapters.
- Dr Debborah Ottinger, United States Environmental Protection Agency (US EPA): working on the IPCC chapters.
- Dr Mike Czerniak (visiting professor), Edwards LTD: quantifying PFC emissions and working on the IPCC chapters.
- Laith Altimime, President of SEMI organisation: working on policy making related to the semiconductor industry.

Internal to the University of Bristol (few selected and ongoing)

- Prof Chris Preist (Engineering): collaborating on the development and delivery of the Sustainable Futures online course, and the Sustainable development optional unit; collaborating project related to PFCs and GHG emissions from the semiconductor industry.
- Prof Chris Willmore (Law): collaborating on developing frameworks for education for sustainable development (ESD) in an interdisciplinary way (Walsh et al., Sustainability in higher education: Beyond the green mirror (WSSDU, 2018).
- Dave Jarman, Dr Sean Shiels, Dr Neil Carhart (Civil Engineering): collaborating on unit development for Bristol Futures; collaborating on introducing systems thinking and thinking design to chemistry and atmospheric research.
- Prof Laura Robinson (earth sciences): collaborating on Bristol Futures units, the Frontiers unit (Earth sciences).
- Dr Laurence Publicover (Arts): collaboration as part of the Bristol Futures optional unit; applied and received funding from the Idea Exchange fund by Brigstow Institute for the project “Think tanks: Humans and Oceans”.
- Prof James Ladyman (Arts): collaborating as part of the Bristol Futures optional units with potential for future collaborations between Arts and Chemistry.
- Prof Alvin Birdi (University Director for Undergraduate studies): collaborating as part of Bristol Futures focusing on assessment and feedback, developing a skills-based curriculum.
- Dr Aisling Tierney (Arts): collaborating on a) Bristol Futures, b) education of sustainable development, c) Project Nivice in Albania.

Referees

Prof. Jennifer Collingwood
School of Physics, University of Bristol
Firstname.Surname@bristol.ac.uk

Prof. Donald Mortenson
School of Chemistry, University of Bristol
Firstname.Surname@bristol.ac.uk

Example 15: Science non-academic CV (Chemistry)

Katerina Kostopoulou

Firstname.Surname@bristol.ac.uk +44 (0)789 123 4567

Specialist in the human – environment system: detecting, quantifying and monitoring the effects of anthropogenic activity on different media (i.e. atmosphere, ocean) using a combination of top-down and bottom-up methods, tools and approaches such as remote sensing, high frequency observations, analytical and computational methods (numerical modelling, statistical analysis etc).

Education

PhD Chemistry, University of Bristol **2015 – 2019**
Thesis title: *Using systems thinking and sustainable development as a framework to bridge the gap between top-down and bottom-up estimates for CF4 and C2F6.*

BSc Physics, University of Athens **2012 – 2015**
Thesis title: *Seasonal variation of hydrographic parameters in Red Sea and strait of Bab El Mandeb.*

Research experience

Doctoral Researcher, University of Bristol, Department of Chemistry **2015 – 2019**

- Developing a new framework to interpret long-lived greenhouse gases (like PFCs) based on systems thinking, SDGs and the wicked problems theory. This has been adopted by firms operating in the gas abatement, aluminium, and rare earth smelting industries.
- Quantifying PFC emissions associated with the aluminium, semiconductor and rare-earth smelting industry, building a new bottom-up (inventory-based) estimates of CF4 and C2F6.
- Analysis and compilation of different large datasets using forward and inverse modelling techniques, publishing 9 peer-reviewed journal articles to disseminate the findings.
- Co-developed with firms in the aluminium industry (International Aluminium Institute), semiconductor industry (SEMI), and emissions abatement industry (Edwards Ltd.); as well as the Met Office, the National Physics Laboratory (NPL) and Scripps Institute of Oceanography.
- Collaboration with stakeholders external to the University, including working with the 'Humans and Oceans' think tank in Bristol, and assessing the Albanian marine ecosystem and underwater heritage with the Albanian Centre for Marine Research, Albanian Coastal Authorities, and UNESCO's Scientific & Technical Committee on underwater cultural heritage.

Impact on Policy and Industries:

- This work and its outcomes related to PFC emissions from rare earth smelting are now used in the IPCC's 2019 Refinement to the 2006 Guidelines in Chapter 4: Metal Industry Emissions; by the 2017 PFC steering group for the IAI to identify the major sources of uncertainty in their emissions estimates; and impacted the semiconductor industry by demonstrating that this industry is not a major source of PFCs, compared to the aluminium and rare earth industries.
- For example, Edwards Ltd. are using this work to influence the semiconductor industry on gas abatement technologies, by presenting the quantification of PFC emissions to stakeholders.

Head Scientist and Research Director, Interdisciplinary expedition, Albania **2016 – 2019**

- Developing interdisciplinary research plans appropriate to the area.
- Acting as a catalyst for international networking.
- Reviewing reports at the end of field season to evaluate outcomes and map future research.

Head Scientist, Operation Wallacea, Croatian Expedition **2017 – 2018**

- Data collection and data analysis, including developing research methods specific to the geographical area and specific to marine conservation and marine research, and co-production of appropriate research plans.
- Engaging the scientific and academic community with students, offering the students the possibility to be involved in field research being carried out in the area.

Intern and Researcher Assistant, Hellenic National Meteorological Service **2014 – 2015**

- Running atmospheric weather prediction models and participating in marine weather forecasting, including the production and review of weather maps.
- Validating and verifying atmospheric models (ECMWF, COSMO) using ground and satellite (ASCAT, OSCAT and other EUMETSAT satellites) data.

Teaching experience

Teacher, University of Bristol **2016 – Date**

- Lecturing on the Sustainable Development "blended" module, delivering content both online and offline. This course is offered to 1st and 2nd year students across the entire university. This is an interdisciplinary unit that uses sustainable development as an overarching framework to present environmental change challenges. This unit earned an International Green Gown Award for Innovation, and Times Higher Award for Sustainable Development.
- Developing the curriculum for a Sustainable Futures Massive Online Open Course (MOOC), consisting of interdisciplinary content broken into different themes and discusses global as well as local challenges related to the broader theme of the environment. Internal statistics show this course has an excellent participation and completion rate.
- Delivering 'Frontiers of Science' course for 4th Year MSci students working in both academic and non-academic environments.
- Supervising and mentoring several BSc and MSci students in academic and non-academic environments. Most of my students have completed their studies with first class degrees with some remaining in academia but most having moved on to high profile, highly sought jobs.

Teaching Assistant, University of Bristol **2018 – 2019**

- Teaching assistant for 20 credit points optional units offered in the Department of Chemistry.
- Running seminar classes of between 12 and 20 students assisting them in understanding the content delivered in taught lectures.

Languages

Greek: Excellent (Native Speaker)
English: Excellent (Cambridge English Proficiency (CPE))
French: Excellent (Sorbonne C2)
Swedish: Good (B2)
Dutch, Italian, Spanish: Conversational (no degrees)
Chinese, Russian: Beginner

Coding languages: Python, Matlab, Fortran

Example 16: Social Sciences academic CV for research (economics)

He Xiaohui

5 Tyndall Avenue, Bristol BS8 1UD, UK | +44 (0)7890 123456 | he.xiaohui@bristol.ac.uk

Mandarin Chinese (Native) English (Fluent, TEM-8, IELTS 7.0)

Japanese (Intermediate, JLPT N2) Cantonese (Intermediate)

Education

PhD in Global Political Economy, University of Bristol, UK 2017 - Present

Thesis title: *Chinese firms abroad: How corporate law influences levels of foreign direct investment*

Supervisors: Professor Mary Kettering, Dr Ian Vestment

- Analysed data from the State Administration for Foreign Exchange (one of the key agencies involved in Chinese investment approval) to better understand how legal structures in destination countries influence Chinese outward direct investment.
- Proposed updates to the special theory of Chinese outward direct investment regarding capital market imperfections and decision-making by Chinese multinational enterprises.

MRes in Global Political Economy (Distinction), University of Bristol, UK 2016 - 2017

Dissertation: *Embedding development economics into Japanese corporate activity*

- Charted and analysed the experience of several Japanese corporations in embedding development economics in their businesses from the perspective of management strategy.

MA Applied English Linguistics, The Chinese University of Hong Kong 2012 - 2013

MSc International Politics, Yunnan University 2009 - 2012

BA English Literature, Jiangcheng College, China Uni. of Geosciences 2005 - 2009

Other relevant experience

Linguistic Consultant in Mandarin (freelance) for Google, China Feb 2016 - Aug 2016

- Developing natural language processing projects using in-house tools for Google Assistant in.
- Liaising with the project manager and other colleagues on the development of confidential projects relating to the reviewing, processing, and translation of linguistic data.
- Provided solutions and debugging for machine learning to improve search quality.
- Helped the Mandarin team efficiently deliver their core project in advance of their deadline, and my effectiveness and professionalism were highly praised by the project manager.

Junior Linguist, Google (via Pactera), Hong Kong, China 27 May 2013 - 1 May 2015

- Reviewing and annotating linguistic data generated by the search engine and carrying out research projects to improve Google's natural language processing in Mandarin.
- Annotated and processed raw data extracted from the search engine.
- Collaborated with my team to conduct research and compile findings from linguistic data.
- Proposed solutions to my team to improve the search results.
- Successfully elevated the search engine's accuracy in Chinese (Mandarin, Cantonese, Taiwanese Mandarin) to over 80 percent since the project launched in early 2014.

Administrative Assistant (p/t), Yunnan University, China **Oct 2010 - June 2012**

- Organised several prestigious academic conferences, including the *3rd Association of Regional Econometrics and Environment Studies International Joint Conference*, the *8th Annual Conference of China's Southeast Asia Studies*, and the *2nd Southwest Forum of China*.,
- Planned and delivered workshops and other events hosted or organised by the Institute of International Studies, liaising with various speakers about their participation.
- Scheduled meetings, catering, and accommodation arrangements for conference delegates.
- Prepared, collated, and translated document and materials for international attendees.
- Organised and led post-conference tour-guide activities for groups of 5-6 delegates.
- Maintained and updated the website of the Institute with information about upcoming events.
- Conducted other daily and ad-hoc tasks as and when directed by my line manager. This role required proactivity, close attention to detail, and effective communication skills.

Volunteering

Orphanage Volunteer, Kandy, Sri Lanka **May 2015 - June 2015**

- Volunteering five days a week for a pre-school and a disabled orphanage, teaching and supporting projects related to health and independent living.
- Working on this project kindled my interest in international development, and the potential for direct foreign investment to improve the lives of people living in developing countries.

Volunteer, GooglersGive, Hong Kong, China **June 2014**

- Participating in the GooglersGive Programme, visiting and providing free meals for the elderly with low income at a local old people's home.

Chinese language teacher, Yunnan University, Kunming, China **July 2011 - Aug 2011**

- Conducted tours as part of a programme organized by Yunnan University and Middlebury College in the US, helping students develop Chinese language and understand Chinese culture.

Hobbies and interests

- **Current affairs:** I follow international development and investment news, particularly in order to further develop my understanding of international efforts in global poverty reduction.
- **English literature:** I enjoy reading current fiction to better understand Western culture.

References

Prof. Marcus Escher
(external examiner)
School of Economics
Uni. College London
name.initial.surname
@ucl.ac.uk

Prof. Mary Kettering
(lead supervisor)
School of Economics
University of Bristol
name.initial.surname
@bristol.ac.uk

Dr Ian Van Der Berg
(second supervisor)
School of Economics
University of Bristol
name.initial.surname
@bristol.ac.uk

Example 17: Social Sciences academic CV for teaching (Economics)

He Xiaohui

5 Tyndall Avenue, Bristol BS8 1UD, UK | +44 (0)7890 123456 | he.xiaohui@bristol.ac.uk

Education

PhD in Global Political Economy, University of Bristol, UK **2017 - Present**
Thesis title: *Chinese firms abroad: How corporate law influences levels of foreign direct investment*
Supervisors: Professor Mary Kettering, Dr Ian Van Der Berg

MRes in Global Political Economy (Distinction), University of Bristol **2016 - 2017**
Dissertation: *Embedding development economics into Japanese corporate activity*

MA in Applied English Linguistics, The Chinese University of Hong Kong **2012 - 2013**

MSc in International Politics, Yunnan University, China **2009 - 2012**
A three-year programme finished in two years, GPA 85/100

BA in English Literature, Jiangcheng College, China University of Geosciences **2005 - 2009**

Teaching experience

Volunteer teacher, Orphanage, Kandy, Sri Lanka **May 2015 - June 2015**

- Volunteering five days a week for a pre-school and a disabled orphanage, teaching and supporting projects related to health and independent living.
- Working on this project kindled my interest in international development, and the potential for direct foreign investment to improve the lives of people living in developing countries.

Chinese language teacher, Yunnan University, Kunming **July 2011 - Aug 2011**

- Conducted tours as part of a programme organized by Yunnan University and Middlebury College in the US, helping students develop Chinese language and understand Chinese culture.

Administrative experience

Administrative Assistant (part-time), Yunnan University **Oct 2010 - June 2012**

- Organised several prestigious academic conferences, including the *3rd Association of Regional Econometrics and Environment Studies International Joint Conference*, the *8th Annual Conference of China's Southeast Asia Studies*, and the *2nd Southwest Forum of China*.,
- Planned and delivered workshops and other events hosted or organised by the Institute of International Studies, liaising with various speakers about their participation.
- Scheduled meetings, catering, and accommodation arrangements for conference delegates.
- Prepared, collated, and translated document and materials for international attendees.
- Organised and led post-conference tour-guide activities for groups of 5-6 delegates.
- Maintained and updated the website of the Institute with information about upcoming events.
- Conducted other daily and ad-hoc tasks as and when directed by my line manager. This role required proactivity, close attention to detail, and effective communication skills.

Other work experience

Linguistic Consultant in Chinese (freelance) for Google, China **Feb 2016 - Aug 2016**

- Developing natural language processing projects using in-house tools for Google Assistant in Mandarin Chinese.
- Liaising with the project manager and other colleagues on the development of confidential projects relating to the reviewing, processing, and translation of linguistic data.
- Provided solutions and debugging for machine learning to improve search quality.
- Helped the Mandarin team efficiently deliver their core project in advance of their deadline, and my effectiveness and professionalism were highly praised by the project manager.

Junior Linguist, Google (via Pactera), Hong Kong, China **May 2013 - May 2015**

- Reviewing and annotating linguistic data generated by the search engine and carrying out research projects to improve Google's natural language processing in Mandarin.
- Annotated and processed raw data extracted from the search engine.
- Collaborated with my team to conduct research and compile findings from linguistic data.
- Proposed solutions to my team to improve the search results.
- Successfully elevated the search engine's accuracy in Chinese (Mandarin, Cantonese, Taiwanese Mandarin) to over 80 percent since the project launched in early 2014.

Volunteer, GooglersGive, Hong Kong **June 2014**

- Participating in the GooglersGive Programme, visiting and providing free meals for the elderly with low income at a local old people's home.

Languages

Mandarin Chinese (Native)
English (Fluent, TEM-8, IELTS 7.0)
Japanese (Intermediate, JLPT N2)
Cantonese (Intermediate)

Hobbies and interests

- **Current affairs:** I follow international development and investment news, particularly in order to further develop my understanding of international efforts in global poverty reduction.
- **English literature:** I enjoy reading current fiction to better understand Western culture.

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Dr Ian Van Der Berg
(second supervisor)
School of Economics
University of Bristol
name.initial.surname
@bristol.ac.uk

Example 18: Social Sciences non-academic CV (Economics)

He Xiaohui

5 Tyndall Avenue, Bristol BS8 1UD, UK | +44 (0)7890 123456 | he.xiaohui@bristol.ac.uk

Self-motivated doctoral researcher with several years' experience working in economic theory, linguistics, and administration. Dedicated to pursuing a career in international development, I am passionate about using direct foreign investment as a mutually beneficial driver of development.

Education

PhD in Global Political Economy, University of Bristol **2017 – Date**

Thesis title: Chinese firms abroad: How corporate law influences levels of foreign direct investment

- Analysed data from the State Administration for Foreign Exchange (one of the key agencies involved in Chinese investment approval) to better understand how legal structures in destination countries influence Chinese outward direct investment.
- Proposed updates to the special theory of Chinese outward direct investment regarding capital market imperfections and decision-making by Chinese multinational enterprises.

MRes in Global Political Economy (Distinction), University of Bristol **2016 – 2017**

Dissertation Title: Embedding development economics into Japanese corporate activity

- Charted and analysed the experience of several Japanese corporations in embedding development economics in their businesses from the perspective of management strategy.

MA in Applied English Linguistics, The Chinese University of Hong Kong **2012 – 2013**

MSc in International Politics, Yunnan University **2009 – 2012**

A three-year programme finished in two years, GPA 85/100

BA in English Literature, Jiangcheng College, China University of Geosciences **2005 – 2009**

With a focus on English and Japanese language

Relevant work experience

Linguistic Consultant in Mandarin (freelance) for Google China **Feb 2016 – Aug 2016**

- Developing natural language processing projects for Google Assistant in Mandarin Chinese.
- Liaising with the project manager and other colleagues on the development of confidential projects relating to the reviewing, processing, and translation of linguistic data.
- Providing solutions and debugging for machine learning to improve search quality. My work in this area allowed the Mandarin team to deliver their core project in advance of their deadline, and as a result my effectiveness and professionalism were praised by the project manager.

Junior Linguist, Google (via Pactera), Hong Kong **May 2013 – May 2015**

- Annotating, processing, and reviewing linguistic data generated using Google's search engine.
- Carrying out research to improve Google's natural language processing in Mandarin.
- Collaborating with my team to plan research, workloads, and compile findings.
- Successfully elevated the search engine's accuracy in Chinese (Mandarin, Cantonese, Taiwanese Mandarin) to over 80 percent since the project launched in early 2014.

Other work experience

Administrative Assistant (part-time), Yunnan University **Oct 2010 – June 2012**

- Organising several prestigious academic conferences, including the *3rd Association of Regional Econometrics and Environment Studies International Joint Conference*, the *8th Annual Conference of China's Southeast Asia Studies*, and the *2nd Southwest Forum of China*.,
- Planning and delivering workshops and other events hosted or organised by the Institute of International Studies, liaising with various speakers about their participation.
- Scheduling meetings, catering, and accommodation arrangements for conference delegates.
- Preparing and translating documents and materials for international conference attendees.
- Organising and leading post-conference tours for groups of 5-6 conference delegates.
- Maintaining and updating the Institute's website with information about upcoming events.
- This role required proactivity, close attention to detail, and effective communication skills, as well as conducting other tasks and as and when directed by my line manager.

Volunteering

Orphanage Volunteer, Kandy, Sri Lanka **May 2015 – June 2015**

- Volunteering five days a week for a pre-school and a disabled orphanage, teaching and supporting projects related to health and independent living.
- Working on this project kindled my interest in international development, and the potential for direct foreign investment to improve the lives of people living in developing countries.

Volunteer, GooglersGive, Hong Kong, China **June 2014**

- Visiting and providing free meals for the elderly with low income at a local old people's home, which require patience, empathy, and quickly building rapport with very different individuals.

Chinese language teacher, Yunnan University, Kunming, China **July 2011 – Aug 2011**

- Conducted tours as part of a programme organized by Yunnan University and Middlebury College in the US, helping students develop Chinese language and understand Chinese culture.

Languages

- Mandarin Chinese (Native)
- English (Fluent, TEM-8, IELTS 7.0)
- Japanese (Intermediate, JLPT N2)
- Cantonese (Intermediate)

Hobbies and interests

- **Current affairs:** I regularly follow international development and investment news to further develop my understanding of international efforts in global poverty reduction.
- **English literature:** I enjoy reading current fiction to better understand Western culture.