

## Mohammad Hosseini

### Profile Summary



**Mohammad Hosseini, PhD**

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Based at Galter Health Sciences Library in Chicago campus, I collaborate with the Northwestern University Clinical and Translational Sciences Institute (NUCATS) and the Institute for Augmented Intelligence in Medicine (I.AIM). Furthermore, I am a guest lecturer of research ethics, an [associate editor](#) of the journal of *Accountability in Research* and a [member](#) of the Global Young Academy. Motivated by the interdisciplinary nature and broad application of research ethics, I have been exploring issues that affect all scholarly fields, such as recognizing contributions in academic publications, citations and publication ethics and gender issues in academia. I am fascinated by the ethics of employing technologies such as artificial intelligence and generative AI in research and have dedicated significant time to understanding their implications on data integrity, transparency, and societal impact. I advocate for responsible AI practices, emphasizing the importance of fairness, accountability, and transparency.

I hold a BA in Business Management (2013, Eindhoven, The Netherlands), MA in Applied Ethics (2016, Utrecht, The Netherlands) and PhD in Research Ethics and Integrity (2021, Dublin, Ireland). During my PhD, I was involved in creating, collecting and curating resources for the [Embassy of Good Science](#) platform — a disciplinary repository for research ethics and integrity resources. My PhD thesis explored the [ethics of contributor role ontologies and taxonomies](#) and discussed the attribution of credit and responsibilities in scholarly collaborations.

My professional goal is to cultivate fair and inclusive working cultures and improve ethics and integrity in academia.

### Please contact me with your questions related to:

- Ethics of using artificial intelligence in research
- Scholarly authorship and contributor role ontologies and taxonomies
- Research ethics and integrity
- Citations and publication ethics
- Gender issues in academia

### Peer-reviewed Publications

Resnik D, **Hosseini M**. [The Ethics of Using Artificial Intelligence in Scientific Research: New Guidance Needed for a New Tool](#). AI and Ethics. 2024.

**Hosseini M**, Resnik D. [Guidance Needed for Using Artificial Intelligence to Screen Journal Submissions for Misconduct](#). Research Ethics. 2024.

Bruton S, Macchione AL, Brown M, **Hosseini M**. [Citation Ethics: An Exploratory Study of Norms and Behaviors](#). Journal of Academic Ethics. 2024.

Resnik D, **Hosseini M**. [The impact of AUTOGEN and similar fine-tuned large language models on the integrity of scholarly writing](#). The American Journal of Bioethics. 2023.

**Hosseini M**, Resnik D, Holmes K. [The ethics of disclosing the use of artificial intelligence tools in writing scholarly manuscripts](#). Research Ethics. 2023.

**Hosseini M**, Goa CA, Liebovitz D, Carvalho A, Ahmad FS, Luo Y, MacDonald N, Holmes K, Kho A. [An exploratory survey about using ChatGPT in education, healthcare, and research](#). PLOS One. 2023.

**Hosseini M**, Horbach S. [Fighting reviewer fatigue or amplifying bias? Considerations and recommendations for use of ChatGPT and other Large Language Models in scholarly peer review](#). Research integrity and Peer Review. 2023.

**Hosseini M**, Rasmussen L, Resnik, D. [Using AI to Write Scholarly Publications](#). Accountability in Research. 2023.

Kaebnick GE, Magnus CM, Kao A, **Hosseini M**, Resnik D, Dubljević V, Rentmeester C, Gordijn B, Cherry MJ. [Editors' Statement on the Responsible Use of Generative AI Technologies in Scholarly Journal Publishing](#). Bioethics. 2023

**Hosseini M**, Holcombe AO, Kovacs M, Zwart H, Holmes K. [Group authorship, an excellent opportunity laced with ethical, legal and technical challenges](#). Accountability in Research. 2024.

**Hosseini M**, Villanueva AC. [A Qualitative Analysis of the Impact of COVID-19 Restrictions on Gender Biases in an Irish University](#). PLOS One. 2023.

Gonzales S, Champieux R, Contaxis N, Denton AH, **Hosseini M**, Surkis A, Wescott A, Kristi Holmes. [Clinical and Translational Science Personas: Expansion and use cases](#). Journal of Clinical and Translational Science. 2023.

**Hosseini M**, Wafford EQ, Gordijn B, Holmes K. [A systematic scoping review of ethics of contributor role ontologies and taxonomies](#). Accountability in Research. 2023.

**Hosseini M**, Hidalgo ES, Horbach S, Guftinger S, Penders B. [Messing with Merton: The intersection between Open Science practices and Mertonian values](#). Accountability in Research. 2022.

**Hosseini M**, Colomb J, Holcombe A, Vasilevsky N, Kern B, Holmes K. [Adoption and Evolution of Contributor Roles](#). Learned Publishing. 2022.

**Hosseini M**, Wieczorek M, Gordijn B. [Ethics of using big data in social science research](#). Science and Engineering Ethics. 2022.

**Hosseini M**, Lewis J, Zwart H, Gordijn B. [An Ethical Exploration of increased average number of authors per publication](#). Science and Engineering Ethics. 2022.

**Hosseini M**, Sharifzad S. [Gender disparity in publication records: a qualitative study of women researchers in computing and engineering](#). Research Integrity and Peer Review. 2021.

Wright J, **Hosseini M**. [Preprint]. [Improving preprint withdrawals: A template based approach](#). Cambridge Open Engage. 2021.

Vasilevsky NA, **Hosseini M**, [...], Holmes KL. [Is authorship sufficient for today's collaborative research? A call for contributor roles](#). Accountability in Research. 2021.

Armond A, **Hosseini M**, [...], Kakuk P. [A scoping review of the literature featuring research ethics and research integrity cases](#). BMC Medical Ethics. 2021.

**Hosseini M**, Eve MP, Gordijn B, Neylon C. [MyCites: a proposal to mark and report inaccurate citations in scholarly publications](#). Research Integrity and Peer Review. 2020.

**Hosseini M**, Gordijn B. [A review of the literature on ethical issues related to scientific authorship](#). Accountability in Research. 2020.

**Hosseini M**. [Equal Co-authorship Practices: Review and Recommendations](#). Science and Engineering Ethics. 2020.

**Hosseini M**, Bruton, S. [A qualitative study of Equal Co-First Authorship](#). Accountability in Research. 2020.

**Hosseini M**, Lewis J. [The norms of authorship credit: Challenging the definition of authorship in The European Code of Conduct for Research Integrity](#). Accountability in Research. 2020.

**Hosseini M**, Consoli L, Zwart HAE, van den Hoven MA. [Suggestions to Improve the Comprehensibility of Current Definitions of Scientific Authorship for International Authors](#). Science and Engineering Ethics. 2019.

Tennant J, [...] **Hosseini M**, [...], Yarkoni T. [A tale of two 'opens': intersections between Free and Open Source Software and Open Scholarship](#). SocArXiv. 2019.

**Hosseini M**, Hilhorst M, de Beaufort I, Fanelli D. [Doing the Right Thing: A Qualitative Investigation of Retractions Due to Unintentional Error](#). Science and Engineering Ethics. 2018.

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## Media Engagement

**Hosseini M**. [Should we bring AI into hospitals? Let's find the middle ground](#). Chicago Tribune. 2023

**Hosseini M**. [My Friend ChatGPT: Fun to Talk With, Not Yet to Be Trusted](#). Hastings Center Bioethics Forum. 2023

**Hosseini M**. [ChatGPT in Medicine](#). NPR – All things considered. 2023

**Hosseini M**. [A discussion on the Ethical Issues of using ChatGPT in Scientific Writing](#). The Axia Institute, Michigan State University. 2023

**Hosseini M**, Bouter L, Holmes K. [Moving slowly and fixing things – We should not rush headlong into using generative AI in classrooms](#). LSE Impact Blog. 2023

**Hosseini M**. [Information literacy and Generative AI, Supporting the responsible use of AI in biomedical research](#). Breakthroughs. Feinberg School of Medicine Research Office. 2023

**Hosseini M**, Sharifzad S. [The Challenges Women Researchers Face - Part 1](#). The Philosophists Podcast. 2023

**Hosseini M**. [The Ethics of recognizing contributions in scholarly collaborations](#). Seven minutes of science. Northwestern University Feinberg School of Medicine. 2023

Lattal K, **Hosseini M**. [Research report: A framework for regulating user access to heritage audio-visual collections at Galter Health Sciences Library](#). The Watermark Magazine. 2022

**Hosseini M**. [The Ethics of Recognizing Contributions in Academia](#). Breakthroughs. 2022.

**Hosseini M**, Sharifzad S. [The Senior Academic Leadership Initiative](#). Education matters. 2022

**Hosseini et al.**, [Deep dive into ethics of Contributor Roles: report of a FORCE11 workshop](#). Upstream. 2022

**Hosseini M**. [The ethical issues concerning vaccine refusal](#). RTÉ brainstorm. 2021.

**Hosseini M**. [Don't stand so close to me, the moral maze of social distancing](#). RTÉ brainstorm. 2020.

Craig C, **Hosseini M**, McGonagle-O'Connell A. [Making Research Contributions More Transparent, Report of a FORCE Workshop](#). F1000 Research.

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## Presentations and talks (Selected)

[CRedit: What is it and how could the APS benefit from it ?](#) (2022 December). American Physics Society. Perspectives on scientific publishing series.

Ethical issues in using natural language processing machine learning systems to assist with writing scientific papers (2022 September). NIH Office of Data Science Strategy.

[A Framework for Regulating User Access to Heritage AV Collections at Galter Health Sciences Library](#) . (2022 June). Special Libraries Association (SLA) Midwest Symposium.

[An ethical exploration of ever-expanding authorship bylines](#) . (2022 May). Seventh world conference on research integrity. Cape Town. South Africa.

[Using Contributor Role Ontologies & Taxonomies \(CROTs\) in Biocuration](#) . (2022 May). UK-Local Biocuration Conference, Wellcome Genome Campus, The UK.

Panel discussion: Mentoring for Diversity, Equity and Inclusion. (2022, February). The 31st annual meeting of The Association for Practical and Professional Ethics, Cincinnati, USA.

[Panel Discussion on Contributor Identity & Peer Review](#) . (2021 September) Peer Review Week.

[An ethical analysis of equal co-authorship practices](#) . (2021 June). METRICS International Forum, Stanford University, The USA.

[Seek and ye shall find bias: ethical issues in social science research employing big data](#) . (2021 February). DCU Ethics and Privacy Week, Online event.

[Ethics of using big data in humanities and social science research](#) . (2020 February). UCD Lunchtime Seminar, Dublin, Ireland.

[MyCites, a concept for marking inaccurate citations](#) . (2020 January). PIDapalooza Conference, Lisbon, Portugal.

[Introduction to engineering ethics](#) . (2019 November). Storyful. Dublin, Ireland.

[Panel discussion: Citations, References, and JATS](#) . (2019 May). JATS2019, Wellcome Genome Campus, Cambridge, The UK.

The Definition of Authorship in the European Code of Conduct for Research Integrity. (2018 September). PUBMET, University of Zadar, Croatia.

Data management in Research Ethics and Integrity, Integrating cases from multiple sources with different features. (2018 February). EnTIRE meeting. Bonn University, Germany.

[A philosophical framework for a morally legitimate definition of scientific authorship](#) . (2017 May). Fifth world conference on research integrity, Amsterdam, The Netherlands.

[A qualitative investigation of "honest" retractions by researchers in the Netherlands and other countries](#) . (2016 May). NRIN conference, Amsterdam, The Netherlands.

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## Poster presentations

[Personal profiles for CRedit roles](#) . (2022 June). Society for Scholarly Publishing Annual Meeting. Chicago, USA.

[Citation Ethics: Journal editor attitudes and practices](#) . (2022 June). Society for Scholarly Publishing Annual Meeting. Chicago, USA.

[Citation Ethics: An Exploratory Study of Norms and Behaviors](#) . (2022 February). The 31st annual meeting of The Association for Practical and Professional Ethics. Cincinnati, USA.

[Ethical Research Assessment With Contributor Roles](#) . (2021 December). FORCE 2021.

[Preprint withdrawals: Proposing a FAIRly template-based approach](#) . (2021 December). FORCE 2021.

[A Systematic Review of the Literature on the Ethics of Scientific Authorship](#) . (2019 June). Sixth world conference on research integrity, Hong Kong.

[Equal co-lead authorship](#) . (2019 June). Sixth world conference on research integrity, Hong Kong.

[Gender Disparity in Research Output at Dublin City University](#) . (2019 June). Sixth world conference on research integrity, Hong Kong.

[MyCites- A new concept for reporting inaccurate citations](#) . (2019 May). JATS2019, Wellcome Genome Campus, Cambridge, The UK.

[Gender and Publication Statistics, Institutional Bibliometric Analysis in Dublin City University](#) . (2018 October). FORCE, McGill University, Montreal, Canada.

[Task-oriented authorship, a new trend with theoretical and practical implications for modern science](#) . (2018 February). PRINTEGER Conference on Research Integrity, Bonn University, Germany.

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## Teaching Experience

Postgraduate (2022). NIH RCR Case Study, Use of Human Biospecimens and Informed Consent. National Institute of Allergy and Infectious Diseases. USA.

Graduate (2022). Responsible conduct of research, Illinois Institute of Technology, Chicago, USA.

Postgraduate (2018-2021). PhD Graduate Training Modules - Research Ethics and Integrity, DCU, Ireland.

Graduate (2019-2020). MA program in ethics - Science and research ethics, DCU, Ireland.

Undergraduate (2019-2021). BA program in mechanical engineering - Introduction to engineering ethics, DCU, Ireland.

Undergraduate (2017-2021). BA program in contemporary culture and society - Research ethics in humanities and social sciences, DCU, Ireland.

Undergraduate (2017). Dublin internship program - Ethics in healthcare research, Boston University, DCU, Ireland.

Undergraduate (2016). BA program in engineering - Ethics and history of technology. TU/Eindhoven, The Netherlands.

### **Educational material**

Educational scenario (2020). [Collaborative Working Between Academia and Industry: An Educational Scenario by the EnTIRE project](#).

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## **Awards and grants**

### **Awards**

[Winner](#) - DCU president awards for innovation. 2021.

Finalist - DCU president awards for engagement. 2020 and 2021.

Finalist - Tell it straight Competition for DCU Postgraduate Research Students. 2020.

### **Grants**

Open Access publication waiver, Journal of *Research Integrity and Peer Review*. 2020 and 2021.

DCU Invent Centre travel grant. 2019.

ORCE11 Travel grant, FORCE11 consortia and McGill University, Montreal, Canada. 2018.

PUBMET2018 Travel grant, The Department for Information Sciences, University of Zadar, Croatia. 2018.

Summer school grant, Utrecht University, The Netherlands. 2018.

Summer school grant, Ethics of End of Life Care. Provided by DCU, Ireland. 2018.

SATORI project travel grant, SATORI final conference in Brussels, Belgium. University of Twente, The Netherlands. 2017.

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