The European Charter for Researchers

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The European Charter for Researchers is a set of principles underpinning the development of attractive research careers to support excellence in research and innovation across Europe.
The European Charter for Researchers

The Code of Conduct for the Recruitment of Researchers

www.europa.eu.int/eracareers/europeancharter
NEW EUROPEAN CHARTER FOR RESEARCHERS

- Ethics, Integrity, Gender and Open Science
- Researchers Assessment, Recruitment and Progression
- Working Conditions and Practices
- Research Careers and Talent Development

CONFERENCE ON RESEARCH CAREERS 2023 | #ResearchImpactEU #EUResearchArea
Ethics, Integrity, Gender and Open Science

1. ETHICS AND RESEARCH INTEGRITY
2. FREEDOM OF SCIENTIFIC RESEARCH
3. OPEN SCIENCE
4. GENDER EQUALITY
5. EMBRACING DIVERSITY
6. THE RESEARCH PROFESSION
7. FREE CIRCULATION OF RESEARCHERS
8. SUSTAINABILITY OF RESEARCH
Researchers Assessment, Recruitment and Progression

1. RESEARCHERS ASSESSMENT
2. RECRUITMENT
3. SELECTION
4. CAREER PROGRESSION
Working Conditions and Practices

1. WORKING CONDITIONS, FUNDING AND SALARIES
2. STABILITY OF EMPLOYMENT
3. CONTRACTUAL AND LEGAL OBLIGATIONS
4. DISSEMINATION AND EXPLOITATION OF RESULTS
Research Careers and Talent Development

1. VALUING DIVERSE RESEARCH CAREERS
2. CAREER DEVELOPMENT AND ADVICE
3. CONTINUOUS PROFESSIONAL DEVELOPMENT
4. SUPERVISION AND MENTORING
The primary responsibility for research integrity is with researchers themselves. Researchers should be supported by an institutional culture of research integrity to create and respect rules, procedures and guidelines as well as training and mentoring based on the exchange of best practices.
Fabrication
Scientific applications of a black marker pen (1974)!!

Researchers should target and be facilitated. They should do FAIR data, open papers, and algorithms. The number of research papers is growing so fast that we may need new methods to keep a record of the work.

Summerlin pulled two white mice from the container. While they wriggled and squeaked in protest, he inspected the sites of the black skin grafts. Impulsively, Summerlin took his felt-tipped pen out of the breast pocket of his white coat and applied it briefly to the grafts—a patches on the two white animals. The ink made inimiq look darker. Then he replaced the mice in the bin and strode out. . .

From The Patchwork Mouse, an account of William T. Summerlin's 1974 false claim of skin transplantation without immunosuppression (1).

https://www.cracked.com/image-pictofact-9887-12-eminent-scientists-who-shamelessly-faked-their-research

Questionable publication practice

Guest authorship

Not acknowledging the contribution of others (e.g. PhD candidate)

Buying authorship

Inappropriate publishing
Selling Authorship

Selling authorship
(https://retractionwatch.com/2021/09/07/introducing-two-sites-that-claim-to-sell-authorships-on-scientific-papers/)

Exclusive: Russian site says it has brokered authorships for more than 10,000 researchers

A company in Russia heeds its name.

Want to be a first author on a scholarly paper? A Russian company has you covered — starting at about $500. The company claims to have added the names of more than 10,000 researchers to more than 2,000 published articles in scholarly journals over the past three years. Think of it as — or perhaps Stubbish — for unscrupulous scientists.
#11-math: Time Series Multi-valued Structures Modeling on the Basis of Uniform Approximation in the Hausdorff Metric

Abstract: Many scholars have studied the development of time series analysis methods, including G. M. Jenkins, S. Johansen, A. W. Lo, G. E. P. Box, N. N. Taleb, C. A. Sims, and many others. Also, Chebyshev’s criterion of uniform approximation is one of the effective methods of time series analysis. Though it is not regarded in the literature with respect to multi-valued mapping through the use of the Hausdorff metric. This article displays the parameter estimations and methods of analysis of a mathematical model of a multi-valued time series which is composed of range values of a specific indicator that is used as an optimality criterion. The maximum of the local Hausdorff distances between the approximating function values and range of values. This work aims to devise a mathematical method of time series modeling that is represented by ranges on the basis of the function uniform approximation method of development in the case of set-valued maps, with the help of the Hausdorff metric and the development of effective from the perspective of availability of the software and hardware implementation of the algorithm in real-time.

Keywords: Range, minimum approximation, time series, multi-valued mapping, Hausdorff metric.

Date of publication: March 2024 / Deadline: 25 November 2023

Journal title: available for those who have paid.
Region of the journal publication: Europe.
Scientific Field: Mathematics.
Indexing of the journal: Scopus (Q3); WoS (Science Citation Index Expanded).

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Open Science

Researchers should target engagement in all aspects of Open Science and be facilitated by their employers and funders in this regard. They should share their results openly, e.g., through open and FAIR data, open access publications, open software, models and algorithms. They should take measures to ensure reproducibility of research results. They should aim to practice Open Science methodologies and engage in open peer review.
Acta Mathematica

The journal was established by Gösta Mittag-Leffler in 1882 and is published by Institut Mittag-Leffler, a research institute for mathematics belonging to the Royal Swedish Academy of Sciences. The journal was printed and distributed by Springer from 2006 to 2016. Since 2017, Acta Mathematica has been published electronically and in print by International Press. Its electronic version is open access without publishing fees.

According to Cédric Villani, this journal is "considered by many to be the most prestigious of all mathematical research journals". According to the Journal Citation Reports, the journal has a 2020 impact factor of 4.273, ranking it 5th out of 330 journals in the category "Mathematics".

Predatory Journals

Predatory journals—also called fraudulent, deceptive, or pseudo-journals—are publications that claim to be legitimate scholarly journals but misrepresent their publishing practices. Some common forms of predatory publishing practices include falsely claiming to provide peer review, hiding information about Article Processing Charges (APCs), misrepresenting members of the journal’s editorial board, and other violations of copyright or scholarly ethics.

Predatory Journals: What They Are and How to Avoid Them
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7237319/

BEALL'S LIST
OF POTENTIAL PREDATORY JOURNALS AND PUBLISHERS

https://beallslist.net

Dan Quintana
@dsquintana

Someone actually went ahead and called their journal “Nature Cell and Science” because they know people will submit their work there so that they can say they’ve published in Nature Cell and Science 🤣

pic.twitter.com/LEVefo3E96

30/03/2023, 15:21

European Commission

CONFERECE ON RESEARCH CAREERS 2023 | #ResearchImpactEU #EUResearchArea
93% of authors indicating their data is available upon request do not respond or refuse to share their data.

sciedirect.com/science/article

And then, I wrote:

“Data available upon reasonable request”

“The objective of the study was to analyze researchers’ compliance with their data availability statement (DAS) from manuscripts published in open-access journals with the mandatory DAS.”

https://www.sciedirect.com/science/article/abs/pii/S089543562200141X?casa_token=tcH7NTb4IoYAAAAA:jiJKztL7e0eq2i1OiR0fKhskm4DPzeVjXo5wDPj0YuZ7Z7ZciO7jSGqwcc2RVi0pSO-zP3DDg
Researchers Assessment

Research assessment should enable evaluating the performance of researchers and research to achieve the highest quality and impact. This requires recognition of increasingly diverse research outputs, activities and practices, including collaboration, open sharing of outputs, and ensuring high research integrity standards.
Horizon Europe – Open Science methodologies included under criterion for Excellence

**Deutsche Forschung Gemeinschaft (DFG) – narrative CV**

CNRS – integration of reformed research assessment to recruitment and career progression procedures

**Health Research Board (HRB) Ireland** - use of bibliometrics by reviewers forbidden, applicants present their 5 most significant research outputs

**NOR-CAM** - A toolbox for recognition and rewards in academic careers (Universities Norway)
Stability of Employment

Employers and/or funders should take resolute actions to counter the phenomenon of precarity and to support job security and stability, including by way of a limited maximum total duration of fixed-term appointments, and a recommended maximum threshold of one third of fixed-term contracts in the overall researchers’ human resources of a given employer. Whenever permanent or long-term or highly recurrent research tasks are being fulfilled, permanent or open-ended contracts should be the appropriate instrument.
Any questions?