The European Charter for Researchers

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European Commission

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.

European Commission

The European
Charter
for Researchers

The Code
of Conduct for
the Recruitment
of Researchers

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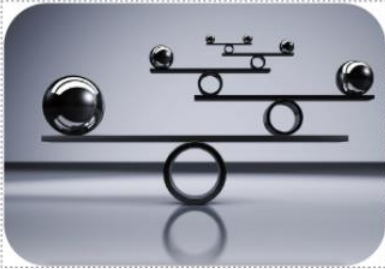COMMISSION

Community research

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EUROPEAN
RESEARCH AREA

HUMAN RESOURCES AND MOBILITY

European
Commission

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

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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

Ethics and Research Integrity

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)!!

FAKE DERMATOLOGY

William Summerlin,

a dermatologist at a cancer center, was caught in 1974 faking his research results. He had taken white mice and *painted them with a black marker* to make it look like they had fur from a black mouse.

CRACKED

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

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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 grafted patches on the two white animals. The ink made them 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://faseb.onlinelibrary.wiley.com/doi/epdf/10.1096/fj.06-0401ufm

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 hawks its wares

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 eBay — or perhaps StubHub — for unscrupulous scientists.

Articles ready for acceptance

Description	field	Condition	Journal	Title
Category: Q1 Impact: 3.5	Industries-Computer and Mechanics	Review	Sustainable Energy Technologies and Assessments	Prioritization of renewable energy resources in five climate zones in Iran using AHP, TOPSIS and SAW methods
Category: JCR Impact: 0.7	Mathematical Physics	Submit	journal of mathematics	Numerical simulation of the unusual phenomenon of electron diffusion
Category: JCR Impact: 2.9	Physics, chemistry, materials, mechanics, manufacturing	Review	Vacuum-Elsevier	Investigation of creep behavior of GTD-111 super
ISI, Scopus Second and third names	Earth sciences, remote sensing, mapping, geology, geography	Review	Bulletin of Geography. Physical Geography Series	Self-Organization Map of GRACE-FO
Category: JCR Impact: 1.4	Civil, soil and foundation, — geology	Review	Nondestructive Testing and Evaluation	Estimation of brittleness and velocity of rock shear wave with different models
Category: Q2 Impact: 2.8	Mechanics-Chemistry-Computers	Review	International Journal of Numerical Methods for Heat & Fluid Flow I Emerald Insight	Mathematical modeling of the production of magnetic Fe3O4 nanoparticles through counter-flow non-premixed combustion
Category: Q1 Impact: 4	Civil-Architecture	Review	Engineering with computers	Dynamic simulation of moderately thick annular system coupled with shape memory alloy and multi-phase nanocomposite face sheets
Category: Impact JCR: 3.7	Physics, chemistry, materials, mechanics, manufacturing	Review	Surface and Coatings Technology	Evolution of solidification and microstructural in laser-clad IN6

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Selling Authorship

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#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 method, including G. M. Jenkins, S. Johansen, A. Yu. Loskutov, 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 multivalued 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 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, minimax, approximation, time series, multi-valued mapping, Hausdorff metric.

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

Journal title: available for those who has paid.

Region of the journal publication: Europe.

Scientific field: Mathematics.

Indexing of the journal: Scopus (Q2); WoS (Science Citation Index Expanded).

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This link (https://science-publisher.org/coauthorship/articles/) presents topics for articles on various aspects of education, economics, biology, political science, architecture, civil engineering, informatics, and engineering. Please note that positions in the article are ranked from highest to lowest. The publication is carried out on a turnkey basis: the articles have already been written, translated, proofread, formatted, and the journal has been selected for publication. The only thing you need is to choose a suitable topic for yourself, the desired position in the article, and pay. The price depends on the journal policy concerning publication fee: the higher it is, the higher the cost per position in the article, respectively.
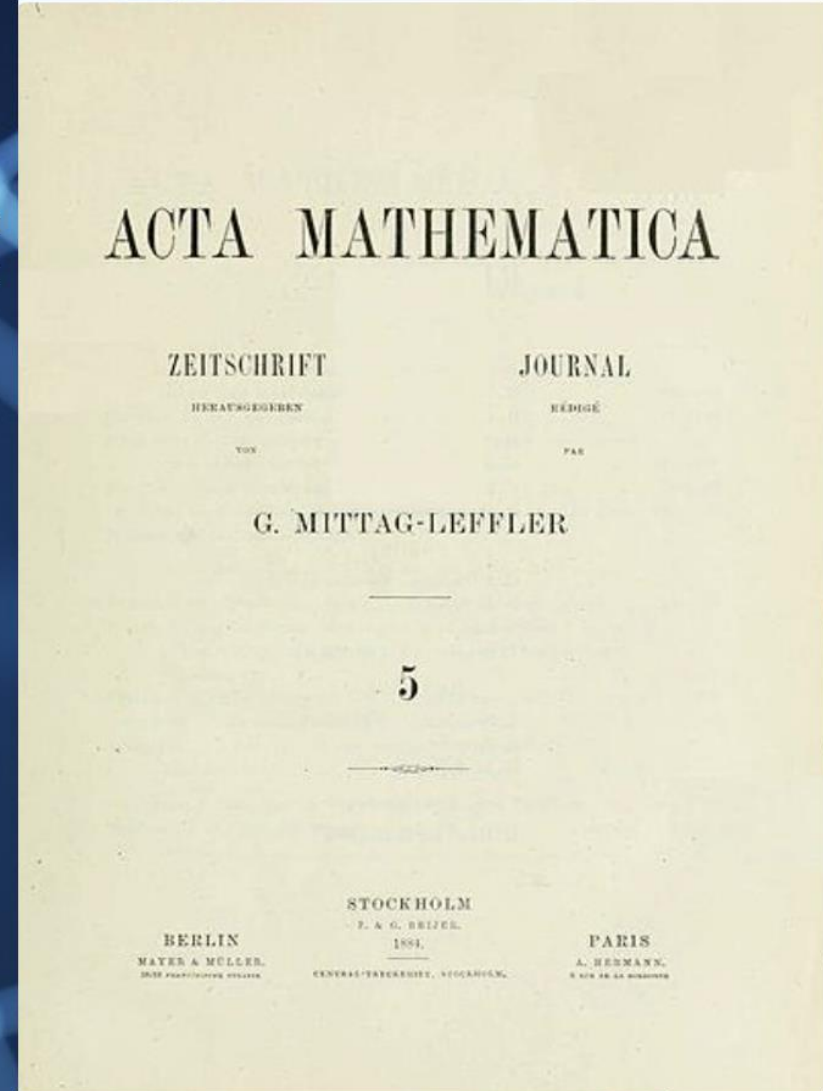
Open Science

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".
https://www.wikiwand.com/en/Acta_Mathematica

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 🤦
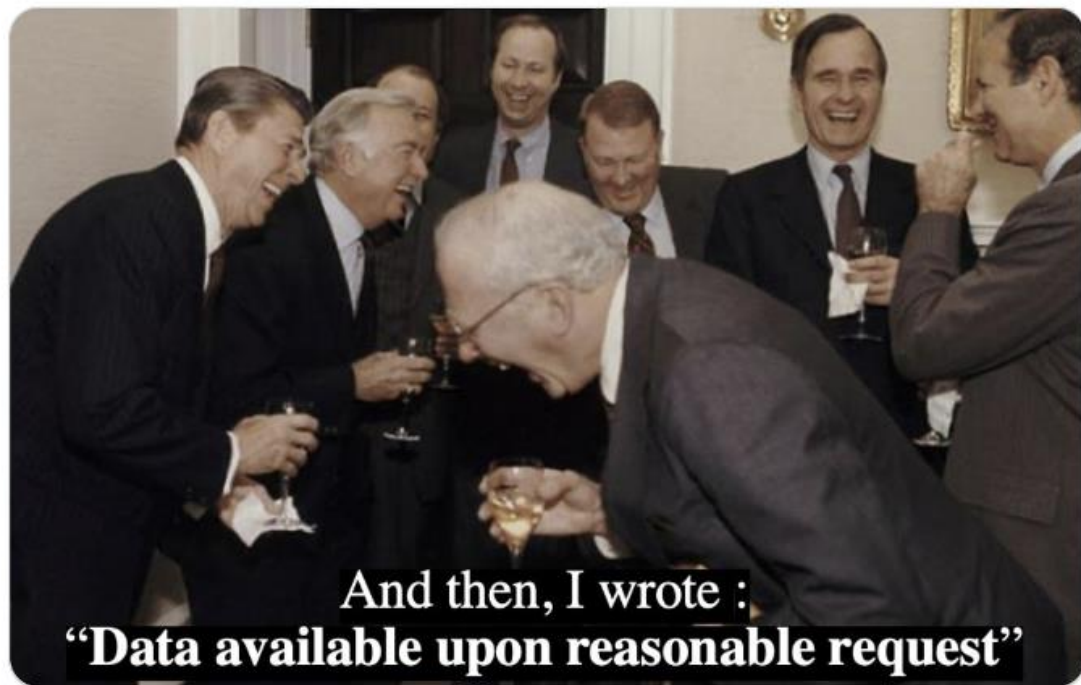pic.twitter.com/LEVefo3E96

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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?