

Overview of the current scientific evaluation Systems: the case of AQU Catalunya

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> AQU Catalunya and the teaching staff assessment program

- Accreditations and scientific career i Catalonia
- > Assessment of research of university departments
- > Future challenges



- > 1996 Assure and enhance Quality in HES Catalonia
- International recognition: Member of the European Association for Quality Assurance in Higher Education (ENQA) permanent headquarters of the INQAAHE
- > Main tasks:
 - Review quality for successful delivery of academic programs at all levels
 - Academic staff
 - Knowledge generation
 - Indicators system









Graus Màsters Doctorats Idioma - O

९ ≡

Tota la informació sobre la qualitat dels estudis universitaris de Catalunya

Escriu aquí el nom de la titulació			
Programes oficials	•	Àmbits	•
Universitats	•	Subàmbits	•
	Ce	rca	



What's AQU?

Grau en Biologia (UB)

Facultat de Biologia

Coneix la inserció laboral

Resultats de l'avaluació

> Segells de qualitat



Ago catalanya esta inscrita a Egak

> Resultats de l'acreditació

El pla d'estudis	
La informació pública de la titulació	
El sistema de garantia interna de la qualitat	
El professorat	
Els serveis i els recursos de suport a l'aprenentatge	
Els resultats de l'estudi	

⊘ No s'assoleix ⊘ S'assoleix amb condicions ⊘ S'assoleix
 ⊘ S'assoleix amb qualitat

Informes d'avaluació



Informació bàsica

Municipi/s d'impartició
 Barcelona

> Crèdits totals	240
Crèdits bàsics	60
Crèdits obligatoris	108
Crèdits optatius	60
Crèdits pràctiques obligatòries	0
Crèdits treball fi de grau	12

> Modalitat

Ø

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Presencial

Període lectiu Anual

Web del grau >





1. Employment indicators 2. Satisfaction 3. Admission and enrollment 4. Performance







Why do we evaluate?



the diverse functions can be incompatible

To improve?

- Helps to refine the definition and/or implementation of policies
- Formative evaluation: combines the attempt to improve the definition/implementation of policies with a collaborative relationship between evaluator and evaluated

To Control?

- Check that you act in accordance with regulations and processes legally and contractually established
- Ensure transparency and legitimacy
- complex administrative Systems
- Implicitly based on mistrust

Resource allocation?

- Requires distance and "objectivity"
- Direct interest of the person evaluated in the result, validation of the data they provide (climate of mistrust)



https://www.fecyt.es/es/publicacion/researcher-career-pathspain-glance-6th-edition

AQU CATALUNYA



LOSU: Ley Orgánica 2/2023, de 22 de marzo, del Sistema Universitario

Some considerations regarding teaching staff:

- Stabilization and rejuvenation of workforce
- Combination of both civil servants ("fucionario") and contract positions (e.g., PPL *Profesor Permanente Laboral*)
- The requirement of previous accreditations (before hiring) remains
 - Civil servants: ANECA and Agencies
 - Ayudante doctors/lectors: no previous accreditation
- Mutual recognitionn/ administrative simplification
- DORA /CoARA aligned



Access to academy in the University Catalonian System: Professors'career pathways





Lecturer



Lecturer	Weighting:
➢ Art. 49 LUC	Will be adjusted by the commission
Teaching Assistant: first of the contractual teaching posts	Research (60%-65%)
Temporary contract. Full time. Can last up to 5 years (teaching assistant + tenure eligible	Academic Qualifications (15%- 20%)
lecturer 8 years)	Teaching experience: (15%-25%)
Requirements: Doctoral/PH degree +	



Associate Professor



Associate professor	Weighting:
Art. 46 LUC	100% Research
PhD: proven teaching and research capacity	 Publications (70%-75%) Research Projects (10%-15%) Training activity (7.5%-10%)
Permanent contract	 Other merits (5%-7,5%)
 Requirements: PH degree 3 years postdoc experience previous favourable report 	



Full Professor



Full professor	Weighting:
➢ Art. 46 LUC	> 100% Research
 PhD: proven teaching and research capacity Permanent contract 	 Publications (65%-70%) Research Projects (10%-15%) Training activity (7.5%-15%) Other merits (5%-7,5%)
 Requirements: PH degree 3 years postdoc experience previous favourable report 	



Accreditation characteristics

- > Guarantee a minimum level for each position
- > Not excellence or an employment contract
- > Individual evaluation
- > Non-face-to-face evaluation
- > Catalan area





Accreditation characteristics (2)



- Expert committees grouped by knowledge areas
- Binary decision
- 2 annual calls
- Non-comprehensive evaluation (Teaching / Research)
 - Scientific competence
 - Practical / personal / social competence
- Secondary evaluation
- Discretionary:
 - Indeterminacy of criteria
 - The very nature of the evaluation



Who evaluates?



AQU Catalunya, 2022



Who evaluates?



Sigues avaluador o avaluadora d'AQU Catalunya

D'acord amb els estàndards europeus (ESG), incorporem en els nostres processos d'avaluació experts i expertes de prestigi reconegut en àmbits acadèmics i/o professionals, i també estudiants.

Seleccionem aquestes persones del nostre banc d'avaluadors i avaluadores.

Més informació →

Persones membres de la Comissió d'Avaluació de la Recerca i les seves comissions específiques

D'acord amb la normativa vigent,¹ les persones membres de la Comissió d'Avaluació de la Recerca (CAR) i de les seves comissions específiques han de tenir un d'aquests perfils:

- 1. Ser catedràtics funcionaris o contractats (CU, CC).
- 2. Ser professors titulars funcionaris o agregats amb contractes indefinits (TU, AGR).
- 3. Ser personal investigador en actiu a Catalunya, de categoria assimilable als anteriors.
- 4. Ser personalitats acadèmiques de prestigi internacional reconegut (PDI assimilable).

També han de tenir tres o més sexennis de recerca o haver estat guardonades amb el Premi Nacional de Recerca, la Medalla Narcís Monturiol al Mèrit Científic i Tecnològic, la Distinció de la Generalitat per a la Promoció de la Recerca Universitària o una altra distinció de nivell anàleg o superior, a criteri del Consell de Govern.

Persones assessores externes de la Comissió d'Avaluació de la Recerca

Pel que fa al personal assessor de les comissions específiques de la Comissió d'Avaluació de la Recerca, els requisits són els següents:

Figura	Perfil del personal assessor	Trams de recerca
Informes de professorat lector	CU, CC, TU, AGR, PDI assimilable	Dos o més
Acreditacions de recerca	CU, CC, TU, AGR, PDI assimilable	Tres o més
Acreditacions de recerca avançada	CU, CC, PDI assimilable	Tres o més
Sexennis de recerca	CU, CC, TU, AGR, PDI assimilable	Tres o més





- > Commission of experts of the Catalan university system
- > Permanent review and improvement process
- > Adjusted to each Area: Humanities, Social Sciences, Sciences, Life Sciences, Medical and Health Sciences, Engineering and Architecture
- > Adjusted to each figure
- > Special emphasis on the last years of the academic career
- > Pedagogical character
- > Focus on quality vs quantity
- > Focus on research: publications, projects, training activity



Research Assessment Committee

CRITERIA FOR THE ISSUE OF RESEARCH ACCREDITATIONS December 2021



CV: key point in the accreditation process

SUMMARY OF SCIENTIFIC CAREER

Summarize the most important aspects of your scientific career, maximum one A4 page Include, where appropriate, any interruptions (such as maternity/paternity leave or other community service actions) stating the duration and reason.

B.1 Articles in indexed journals

Authors (by order of signature)²: Title: Year: Code (A: article, R: review): Journal (title, volume, first-last page): ISSN: DOI (or URL in the absence of one): [non-compulsory unless it is an e-journal]:

Indexed in WoS Core Collection (SCIE, S (YES/NO): Number of citations for the article	Indexed in Scopus (YES/NO): Number of citations for the article:	
JIF of the JCR SCIE/SSCI ³ :		SJR:
Quartile and category JCR SCIE/SSCI:	Rank:	Quartile and category SJR:

Other indices of quality (state the data base and impact index):

NB:

- List the different contributions.

- Sort the articles by date, from newest to oldest.

- Give all the correct information that is asked for. Every section must be completed.

2 For the biomedical fields:

1.1 Prioritize the information corresponding to the Web of Science Core Collection (Science Citation Index Expanded SCIE).

Authors (in order of signature): Smith GH, Jonas TK, Mateu A, (*) Llorens FX (*) Corresponding author

3 Consign the Impact Factor corresponding to the year of publication in JCR. If this information is not available because it is not updated, please consign the last updated JCR data. Alternatively, and in particular in cases of journals in Humanities and Social Sciences, indicate other evidence of relative quality (CARHUS+, etc), together with other quality and impact indices for the article.

^{1.2} In the event that, not being the first author, you have a relevant authorship (co-first author, corresponding author, research director, senior author...), place an asterisk in front of your name and indicate the nature of this relevant authorship at the end of the list of authors. For example:



Analysis of applications

Results: 2017-2021 /tenure-track lecturers (1)

Analyses of results

Applications by educational field Place of residence 1924 1172 932 909 6.409 715 757 Humanities Social Sciences Sciences Life Sciences Health and Medical Sciences Catalonia (68%) International (25%) Engineering and Arguitecture Spain (7%) Applications and average age by gender 43 % **57** % women men 38 years 39 years on average on average

Results for Tenure-track lecturers (2017-2021)

Overall results



Number of attempts needed to achieve a favourable tenure-track report







Resultats: 2003-2021 /tenure-track lecturers (2)

Profiles of tenure-track lecturers

The goal of this document is to provide an indicative perspective of the merits presented by candidates that have attained a favourable tenuretrack lecturer assessment for each of the fields in which the Research Assessment Committee conducts its assessment: Humanities, Social Sciences, Sciences, Life Sciences, Medical and Health Sciences, and Engineering and Architecture.

This document has an informative approach and under no circumstances does it replace the assessment criteria adopted by the CAR, available on the AQU Catalunya website.



Download

1. Publications

Figure 19. Publications: indexed papers, book chapters, written and oral conference presentations (average and maximum value)*



LIFE SCIENCES

Only publications in peerreviewed journals and which are indexed in the Science Citation Index Expanded (SCIE) are valued.

Some of the papers must have been published in the past three years.

Quality of publications prevails over quantity.

Figure 20. Publications by quartiles (only papers indexed in the Journal Citation Reports are included). Average and maximum value





Resultats: 2017-2021 /associate professor(1)



Analyses of results





Humanities Social Sciences Sciences Life Sciences Health and Medical Sciences Engineering and Arquitecture

Number of attempts needed to achieve a favourable tenure-track report







ASSOCIATE PROTESSOR PROFILES Inneres

ear: 2022	Language: English
uthor: AQU Catalunya	
Download document:	
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Figure 13. Publications⁶ by quartile (average and maximum values)



Results: 2017-2021 /associate professor/agregat(2)

SCIENCES

The main points of the current criteria for publications in article format are:

- That the journals are in the upper quartiles.
- The length of the article and the number of authors, and the applicant's ranking among authors.
- Some of the articles must have been published recently.

• Quality, demonstrated using objective parameters, is more important than the number of publications.



Predatory journals

A Books & Chapters Journals Resources News About Q AAA

Setting the agenda in research Comment

Predatory publishers' latest scam: bootlegged and rebranded papers

Science or Scopus

Kyle Siler, Philippe Vincent-Lamarre, Cassidy R. Sugimoto & Vincent Larivière

To thwart publishing rackets that undermine scholars and scholarly publishing, legitimate journals should show their workings.

n 2018, the US Federal Trade Commission (FTC) won a US\$50-million ruling against he publisher OMICS for deceptive business practices. The FTC's investigation found that OMICS accepted and published nearly 69.000 articles in academic disciplines with little or no peer review. The judgement against the infamous publisher, located in Hyderabad, India, proved difficult to enforce. But the ensuing stigma still carries a penalty. In the two years after the FTC filed its complaint, the articles OMICS published under its imprint fell by 40%. After all, a publisher with no reputation is preferable to a publisher with a bad one. Predatory publishers take publication fees

without performing advertised services such as archiving, indexing or quality control. They often use outright deception, such as fake editorial boards or impact factors, to appear legitimate. Researchers might submit work monster, we constr to these outlets naively or cynically; even lishers that have n unread or sloppy articles are rewarded by tive bibliographic some universities' tenure, hiring and promotion decisions. Often, these unvetted articles called Lacuna (lac attract little attention. However, because they than 900,000 pap sometimes get harvested by non-selective aca- from 10 publishe demic search engines such as Google Scholar, fringe of academic they could be found - and read - as part of the includes mainly jo scientific corpus.

tise peer review an A year after the FTC judgement, principal However, our longscientific adviser to the Government of India cations across the Krishnaswamy VijayRaghavan lamented the malicious fakes to difficulty of stamping out the "menace" of start-ups. Already, two heads for each one severed.



tructed a database of pub- not been indexed in selec-	own initiative without any consent - actual, peer-reviewed articles that have been pub-
databases such as Web of	lished elsewhere.
s. Currently, this database, cunadb.io), indexes more	Better tracking is one strand of a broader strategy to defeat this Hydra. Other strands are
pers across 2,300 journals	better education and incentives for authors
rs, a small fraction of the	submitting manuscripts, and greater transpar-
c publishing. At present it	ency around how legitimate journals vet work.
ournals that falsely adver- id other scholarly services.	Buried branding
-term goal is to index publi-	In 2020, OMICS changed hundreds of URLs
legitimacy spectrum, from	and overhauled websites and typesetting to
scrappy, under-resourced	remove references to OMICS. It also intro-
, our preliminary work has	duced a 'Hilaris' brand. Although the titles

predatory publishers. He likened them to the uncovered deceptive practices we hadn't antic- of the rebranded journals remained listed on Hydra, the creature of Greek myth that sprouts ipated. OMICS branding has been removed the OMICS web pages, mentions of OMICS from many titles, for example. And predatory are absent on the Hilaris web pages, as well

Nature | Vol 598 | 28 October 2021 | 563 © 2021 Springer Nature Limited. All rights reserved.



https://thinkchecksubmit.org/

- > Scientific integrity
- Lists
- Ask senior researchers





GUIDE TO UNIVERSITY RESEARCH ASSESSMENT AT DEPARTMENT LEVEL

July 2019

- > Combines internal and external evaluation
- > Focus on improvement and advocacy, no link with funding
- > International commitees
- > Bibliometric approach
- > KPI: production, impact an excellence

Generalitat de Catalunya

ENQA eqar//// 150 9001

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Agència per a la Qualitat del Sistema Universitari de **Catalunya**

GUIDE TO UNIVERSITY RESEARCH
ASSESSMENT AT DEPARTMENT
LEVEL

uly 2019

Generalitat de Catalunya ENQA eqar//// 150 9001

Assessment of research of university departments (2)

> Dimensions:

- Context and structure of the department
- Research policy
- Research activity
- Research productivity
- Research teaching interaction
- Internationalisation
- Prospects for future
- > Standards:
 - Productivity
 - Quality
 - Significance (scientific and social impact)
 - Vitality
- > Scale: Excellent/ Very Good/ Good/ Poor



Assessment of research of university departments (3)





> AQU has signed DORA /Leiden Manifesto

- > New legislation: promotion of Open Science
- > Evaluation in an open science context... big issue!

Current System (dominant)		Open Science	
Excellence defined largely on the basis of where scientists publish		Composite definition of excellence	
Incentivises researchers to produce specific outputs (<i>mainly publications</i>) and to publish as much and as fast as possible (<i>publish or</i> <i>perish!</i>)	Use of quantitative metrics	Incentivises researchers to share knowledge/data early and openly, to collaborate, and to increase quality and impact; While considering diversity of outputs and research cultures	Use of qualitative and quantitative metrics
Rewarding individual competing scientists - gaining scientific prestige		Rewarding team work, collaboration and sharing to achieve societal impact (e.g. Covid-19)	



Thank you!

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