

Critério de Produtividade Projeto Estratégico 2015-20.

1. Scientific criterion to be an integrated member

During the year X a researcher is considered as an integrated member if he or she satisfies at least one of the following 4 items, during the period from 1st January of year X-5 until 31 December of year X-1,

A) 1 publication in one of the 10% WoS top journals in the following WoS scientific areas:

Computer Science, Theory and Methods

Logic

Mathematical and Computational Biology

Mathematics

Mathematics, Applied

Mathematics, Interdisciplinary Applications

Operations Research & Management Science

Statistics & Probability

Physics, Mathematical

B) PhD thesis defended after 1st January of year X-3 and one publication in a peer reviewed journal

C) 4 scientific indicators, according to the FCT definition (please see below), 2 of them classified in WoS

i. Publicações em revistas internacionais com arbitragem científica

ii. Patentes e patentes licenciadas

iii. Livros e capítulos de livros com circulação internacional

*iv. Artigos em conferências **

v. Novos materiais, dispositivos, produtos e processos, software, codificação e algoritmos

** Por 'artigos em conferências' entendem-se artigos técnicos, excluindo-se resumos ou artigo curto, artigos em workshops satélites, posters, introduções, prefácios, material editorial, resumos, etc*

D) 3 scientific indicators, according to the FCT definition (please see below), all of them classified in WoS

i. Publicações em revistas internacionais com arbitragem científica

ii. Patentes e patentes licenciadas

iii. Livros e capítulos de livros com circulação internacional

*iv. Artigos em conferências **

v. Novos materiais, dispositivos, produtos e processos, software, codificação e algoritmos

** Por 'artigos em conferências' entendem-se artigos técnicos, excluindo-se resumos ou artigo curto, artigos em workshops satélites, posters, introduções, prefácios, material editorial, resumos, etc*

2. Internal collaborators and work plans

The members that do not satisfy the criterion are invited to present a 3 years work plan, in the scope of the group project. The plan should present a credible strategy to recover scientific productivity (as measured by the Unit criterion). If the plan is approved, they will be considered as "internal collaborators". Internal collaborators are funded in the same condition as integrated members. Integrated members and internal collaborators contribute together to the progress of the scientific program of the group or of the thematic lines. The designation "internal collaborators" also applies to PhD students supervised by members of the Unit. As soon as an internal collaborator meets the criterion or completes its PhD, he will be considered an integrated member.

Top 10% journals (Web of Science) in selected areas:

Computer Science, Theory and Methods

IEEE TRANSACTIONS ON EVOLUTIONARY COMPUTATION

IEEE Transactions on Neural Networks and Learning Systems

IEEE Transactions on Cloud Computing

Information Fusion

IEEE Transactions on Information Forensics and Security

ACM COMPUTING SURVEYS

Future Generation Computer Systems-The International Journal of eScience

IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS

Swarm and Evolutionary Computation

HUMAN-COMPUTER INTERACTION

Logic

Journal of Mathematical Logic

ANNALS OF PURE AND APPLIED LOGIC

Mathematical and Computational Biology

Wiley Interdisciplinary Reviews-Computational Molecular Science

BRIEFINGS IN BIOINFORMATICS

BIOINFORMATICS

Database-The Journal of Biological Databases and Curation

PLoS Computational Biology

IEEE Journal of Biomedical and Health Informatics

Mathematics

ACTA NUMERICA

ANNALS OF MATHEMATICS

Advances in Nonlinear Analysis

JOURNAL OF THE AMERICAN MATHEMATICAL SOCIETY

COMMUNICATIONS ON PURE AND APPLIED MATHEMATICS

FOUNDATIONS OF COMPUTATIONAL MATHEMATICS

Fractional Calculus and Applied Analysis

INVENTIONES MATHEMATICAE

ACTA MATHEMATICA

DUKE MATHEMATICAL JOURNAL

JOURNAL OF THE EUROPEAN MATHEMATICAL SOCIETY

Publications Mathematiques de l'IHES

JOURNAL DE MATHÉMATIQUES PURES ET APPLIQUÉES

ANNALES SCIENTIFIQUES DE L'ÉCOLE NORMALE SUPÉRIEURE

GEOMETRIC AND FUNCTIONAL ANALYSIS

Analysis and Applications

JOURNAL OF DIFFERENTIAL EQUATIONS

Analysis & PDE

CALCULUS OF VARIATIONS AND PARTIAL DIFFERENTIAL EQUATIONS

MEMOIRS OF THE AMERICAN MATHEMATICAL SOCIETY

JOURNAL FÜR DIE REINE UND ANGEWANDTE MATHEMATIK

Advances in Calculus of Variations

Journal of the Institute of Mathematics of Jussieu

CALCOLO

JOURNAL OF DIFFERENTIAL GEOMETRY

LAW PROBABILITY & RISK

TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY

COMBINATORICA

Advances in Differential Equations

Analysis and Mathematical Physics

AMERICAN JOURNAL OF MATHEMATICS

Mathematics, Applied

SIAM REVIEW

Advances in Nonlinear Analysis

Nonlinear Analysis-Hybrid Systems

INTERNATIONAL JOURNAL OF ROBUST AND NONLINEAR CONTROL

COMMUNICATIONS ON PURE AND APPLIED MATHEMATICS

MATHEMATICAL MODELS & METHODS IN APPLIED SCIENCES

Communications in Nonlinear Science and Numerical Simulation

FOUNDATIONS OF COMPUTATIONAL MATHEMATICS

ACM TRANSACTIONS ON MATHEMATICAL SOFTWARE

Fractional Calculus and Applied Analysis

APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS

FUZZY SETS AND SYSTEMS

MATHEMATICAL PROGRAMMING

APPLIED MATHEMATICS LETTERS

ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS

ANNALES DE L INSTITUT HENRI POINCARÉ-ANALYSE NON LINEAIRE

CHAOS

NUMERISCHE MATHEMATIK

Applied and Computational Mathematics

SIAM Journal on Imaging Sciences

APPLIED MATHEMATICS AND COMPUTATION

FINITE ELEMENTS IN ANALYSIS AND DESIGN

SIAM JOURNAL ON OPTIMIZATION

Communications in Applied Mathematics and Computational Science

JOURNAL OF NONLINEAR SCIENCE

Mathematics, Interdisciplinary Applications

ARCHIVES OF COMPUTATIONAL METHODS IN ENGINEERING

COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING

ECONOMETRICA

MULTIVARIATE BEHAVIORAL RESEARCH

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS

STRUCTURAL EQUATION MODELING-A MULTIDISCIPLINARY JOURNAL

Annual Review of Statistics and Its Application

Communications in Nonlinear Science and Numerical Simulation

EPJ Data Science

RISK ANALYSIS

Operations Research & Management Science

JOURNAL OF OPERATIONS MANAGEMENT

TECHNOVATION

INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS

IEEE Systems Journal

OMEGA-INTERNATIONAL JOURNAL OF MANAGEMENT SCIENCE

RELIABILITY ENGINEERING & SYSTEM SAFETY

TRANSPORTATION RESEARCH PART B-METHODOLOGICAL

EXPERT SYSTEMS WITH APPLICATIONS

Physics, Mathematical

COMPUTER PHYSICS COMMUNICATIONS

Communications in Nonlinear Science and Numerical Simulation

JOURNAL OF COMPUTATIONAL PHYSICS

CHAOS

JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT

COMMUNICATIONS IN MATHEMATICAL PHYSICS

Statistics & Probability

Journal of Statistical Software

AMERICAN STATISTICIAN

ECONOMETRICA

MULTIVARIATE BEHAVIORAL RESEARCH

Annual Review of Statistics and Its Application

JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY

CHEMOMETRICS AND INTELLIGENT LABORATORY SYSTEMS

FUZZY SETS AND SYSTEMS

STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT

ANNALS OF STATISTICS

JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES A-STATISTICS IN SOCIETY

IEEE-ACM Transactions on Computational Biology and Bioinformatics