**MINIMUM STANDARDS NECESSARY AND MANDATORY FOR CONFERRING PROFESSIONAL DEGREES IN RESEARCH AND DEVELOPMENT**

1. **Teaching and Professional Activity**

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| **No.** | **Type of Activities** | **Indicators** |
|  | Books at Web of Science recognised international publishing houses as author |  |  |
|  | Book chapters at Web of Science recognised international publishing houses as author/Reviews in ISI-rated journals |  |  |
|  | Books at Web of Science recognised international publishing houses as editor |  |  |
|  | Books, manuals, laboratory guides at national or other international publishing houses as author, internal notes, presentations given for approving data reviews within large collaborations |  |  |
|  | Book chapters at national or other international publishing houses as author |  |  |
|  | Papers in extenso (at least 3 pages) published in ISI-indexed Proceedings |  |  |
|  | International patents awarded |  |  |
|  | National patents awarded |  |  |
|  | Manager/responsible person/coordinator for study programmes, continuing training programmes, educational projects and infrastructure projects (research projects are excluded) |  |  |
|  | Manager/responsible person for research projects amounting to Vi Euro won through national or international competition (the projects under item 9 are excluded). Amounts in RON or in other currencies shall be converted to Euro at the average exchange rate in the respective year according to [www.bnr.ro](http://www.bnr.ro) for the period after 1999 and at the exchange rate in 1999 for the previous period. Project responsible persons are those leading a research team, being mentioned as such in the submitted project; in their case only the amount related to the led team shall be considered. |  |  |
|  | **TOTAL** |  |  |

****= is the actual number of authors of item ***i*** and takes the following values:

|  |  |
| --- | --- |
|  | if $\leq 5$ |
| ( + 5)/2 | if 5 $<$$\leq 15$ |
| ( + 15)/3 | if 15 $<$$\leq 75$ |
| ( + 45)/4 | if $>75$ |

*ni*= is the number of authors of item *i*. In case of HEPP publications (High Energy Particle Physics)with a large number of authors, if the article is based on an internal note of the experiment to which the candidate is co-author, then may be given by the number of authors in the internal note.

“Article. Proceedings paper” type of papers may be considered under items 1, 2 or 6, only once, at the candidate's choice.

Web of Science recognised publishing houses are to be found on the Web of Science Publishers – Master Book List – Publishers website (<http://wokinfo.com/mbl/publishers/>).

It is recommended that each candidate creates a ResearcherID account to facilitate the verification of data on the research activity and the activity impact recognition.

1. **Research Activity**

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| **No.** | **Type of Activities** | **Indicators** |
| 1 | Original scientific articles in extenso as author |  |  |
| 2 | Original scientific articles in extenso as first author or corresponding author, according to the mentions on the article. Articles where authors are indicated in the alphabetical order of their name and the candidate is first author exclusively due to his/her name and the alphabetical order shall not be taken into account. In case of HEPP publications (High Energy Particle Physics) with a large number of authors, if the article is based on an internal note whose approval for being sent for publication was upheld by the author, then the author is considered first author. |  |  |

*AISi* = is the absolute influence score of the scientific journal where article ***i*** was published, according to its year of publication as per [www.eigenfactor.org](http://www.eigenfactor.org) for articles published until 2006 and Journal Citation Report (ISI Web of Science) starting from 2007; should the publishing year be not found in the database, the closest year shall be chosen.

1. **Activity Impact Recognition**

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| **No.** | **Type of Activities** | **Indicators** |
|  | Citations in scientific journals with impact factor found in InCites Journal Citation Reports or in books at Web of Science recognised publishing houses. Citations originating from articles having the candidate as author or co-author shall not be taken into account. |  |  |
|  | Hirsch Index | *h* |  |

****= number of citations in ISI journals of publication ***i***

*h* = is defined as follows: an author has a Hirsch index *h* if he/she published *h* articles, each cited at least *h* times. To calculate the Hirsch index, the ISI Web of Science database shall be used.

**4. Minimum Conditions**

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| --- | --- |
| **No.** | **Category** |
| **Scope of Work**  | **Conditions for CS II** | **Conditions for CS I** |
| 1 | Teaching and Professional Activity | **A** $\geq 1$ | **A** $\geq 2$ |
| 2 | Research Activity  | **I** $\geq 2$ | **I** $\geq 4$ |
| **P** $\geq 2$ | **P** $\geq 4$ |
| 3 | Activity Impact Recognition  | **C** $\geq 20$ | **C** $\geq 40$ |
| **h** $\geq 5$ | **h** $\geq 10$ |
|  | **TOTAL SCORE****T = A + P/2 + I/2 + C/20 + h/5** | **T** $\geq 5$ | **T** $\geq 12$ |