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## AN ANALYSIS OF JOTSE EVOLUTION

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In this first issue of the fifth year of JOTSE we would like to present an analysis of the evolution of our Journal throughout these past years. In the first place, we would like to remark the internationalization which we aimed at right at the beginning of last year. A challenge that has been accomplished as shown in Figure 1, which includes the distribution of JOTSE readers from the different continents. In this sense, it can be observed that not only there is a high density of readers in Spain but also in other European countries besides from North America and some countries in Asia.



*Figure 1. JOTSE readers/visitors from January 2012 to December 2014*

In addition, another aspect which has been analysed is the number of articles being submitted during the last 4 years. In fact, Table 1 shows its frequency per month and it is made obvious that the 3 months with more volume of received articles are December, July and January. These three entry peaks can be related to most university cycles as these are the months which represent the end of many teaching/tuition cycles or terms and it is then when the teaching staff can analyse the academic results. Moreover, professors have more time in this period of the year to submit their contributions. As to the rest of the months, we can observe a more modest amount of submitted work but it is continuous and this is a very positive fact for us, JOTSE Editors.

	Average	2010	2011	2012	2013	2014
January	3,00		0	2	1	9
February	1,50		1	4	1	0
March	1,50		0	1	2	3
April	1,40	1	1	0	3	2
May	1,40	3	2	0	0	2
June	1,80	1	4	0	3	1
July	4,20	1	0	7	5	8
August	1,20	1	1	1	2	1
September	2,00	0	1	3	1	5
October	1,60	2	0	4	1	1
November	2,20	1	1	1	6	2
December	5,00	1	1	3	9	11
<b>TOTAL</b>	<b>25,60</b>	<b>11</b>	<b>12</b>	<b>26</b>	<b>34</b>	<b>45</b>

Table 1. Submitted papers per year

Secondly, in the same Table 1 we can also observe an obvious increase of submitted articles in the last two years. As a matter of fact, three times more submitted work than in 2011. We could say that this result it is most likely because of the novelty of special issues call for papers. In Figure 2, we can, precisely, observe such increase in the number of articles as we have indicated submissions separately according to: a) papers for regular issue and b) papers for special issue.

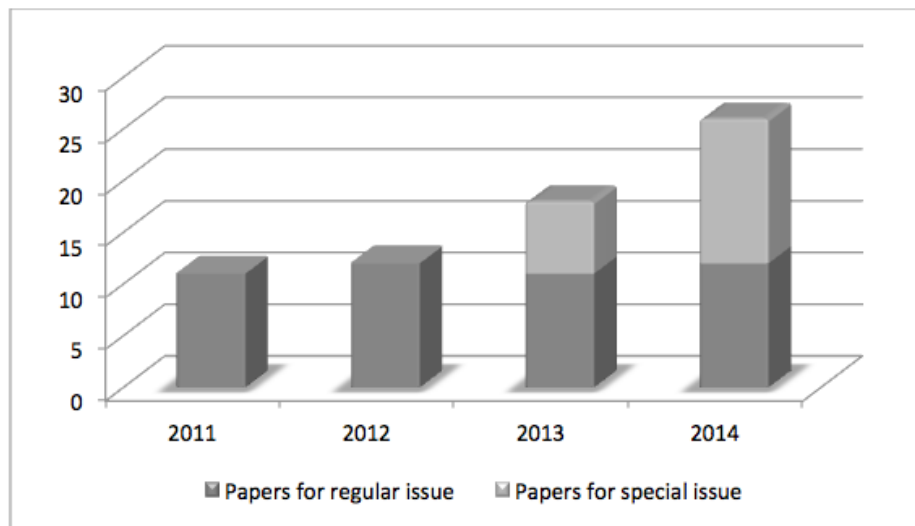


Figure 2. Published papers (2011-2014)

Figure 2. Published papers per year and separately according to regular issue or special issue

We can also observe in Figure 3 that JOTSE keeps having the same level of demanding as in 2014 the percentage of rejected articles and “re-submit” was almost 50%.

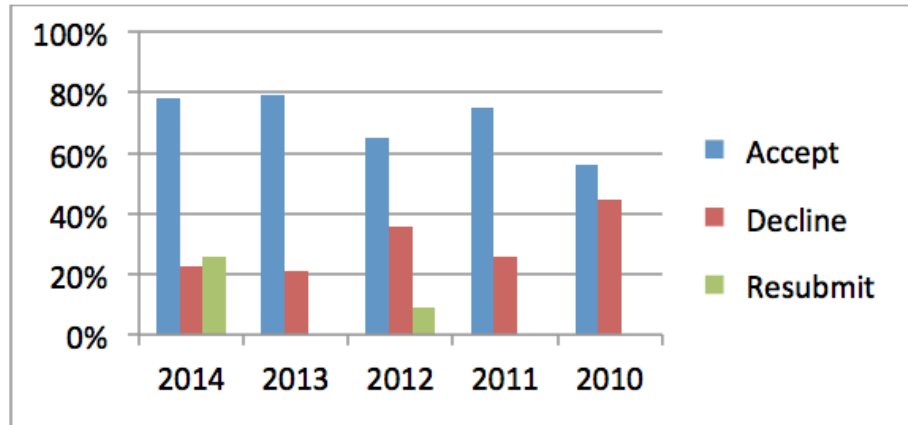


Figure 3. JOTSE's rate of acceptance

It is worth mentioning here that our readership can also look up in our web the timing of articles' revision, which is of approximately two months.

After this analysis, the most salient conclusion would be the fact that right from our beginning we have improved not only in terms of internationalization but also in receipt and publication of articles. Therefore, we have met JOTSE's main goals. Besides, we would like to emphasize that this growth, though modest, it is continuous and it is the result of the steady work of both the Editorial Team and all the peer-reviewers. And we are very grateful to OmniaScience, too, which, selflessly, carry out their editorial job very carefully and with the rigour that guarantees JOTSE's quality issue by issue.

For this year 2015 we aim at maintaining JOTSE's internationalization besides from planning new strategies for growth as our main challenge.

As always, in this Editorial we present the articles that our readers will find in the first issue of year 2015, which we hope that both interests and meets the quality requirements of our expert readership.

#### Content:

- [\*\*Integrating Technology in STEM Education.\*\* Priya Chacko, Sarah Appelbaum, Heejoo Kim, Jinhui Zhao, Jin Kim Montclare.](#)
- [\*\*Methodology for developing teaching activities and materials for use in fluid mechanics courses in undergraduate engineering programs .\*\* Pedro Javier Gamez-Montero, Gustavo Rausch, Lluís Domenech, Robert Castilla, Mercedes García-Vilchez, Hipòlit Moreno, Albert Carbó.](#)
- [\*\*Students' affordance of teleologic explanations and anthropomorphic language in eliciting concepts in physics.\*\* Romiro Gordo Bautista.](#)
- [\*\*STEM attrition among high-performing college students: Scope and potential causes.\*\* Xianglei Chen.](#)

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