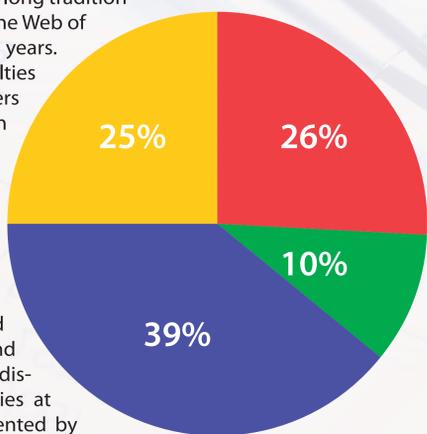


## Statistical analysis of citation results for researchers in Serbia



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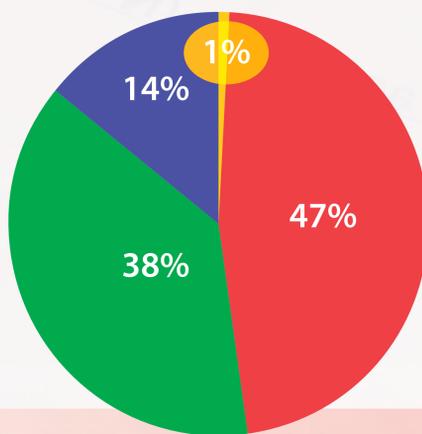
The University Library in Belgrade has a long tradition of bibliometric analysis of citations in the Web of Science, spanning over more than 25 years. The University of Belgrade has 31 faculties and 11 institutes where 5000 lecturers and 2000 researchers are employed. In the last three years, we had 1093 requests for citation and found 79,767 citations in total. The structure of academic staff, the number of requests to create a bibliography of cited papers and the number of citations are not directly correlated. Most researchers are employed at technical colleges, and the largest percentage of requests and citations are related to the biomedical disciplines. Social sciences and humanities at the University of Belgrade are represented by 25% of employees, and in the statistical analysis of results at the University Library less than 1% of citations are attributed to these employees.



The number of requests during 2008 increased significantly because of the actual process of accreditation of the faculties. The increased number can be particularly noted in the domain of social sciences. Citations in biomedical sciences have a tendency to increase during the same period, which is in accordance with data from Sciencewatch. The tendency of high citation of scientific papers of Serbian scientists referred in the Web of Science can also be noted.

### Discussion

During 2003-2010, all together 121.239 citations have been found. Graph shows distribution of citations in percents and by areas.



Field	Country
Agricultural Sciences	SERBIA
Biology & Biochemistry	SERBIA
Chemistry	SERBIA
Clinical Medicine	SERBIA
Computer Science	SERBIA
Economics & Business	LITHUANIA
Engineering	SERBIA
Environment/Ecology	GHANA
Geosciences	SAUDI ARABIA
Immunology	BULGARIA
Materials Science	SERBIA
Mathematics	SERBIA
Microbiology	PAKISTAN
Molecular Biology & Genetics	YUGOSLAVIA
Multidisciplinary	WALES
Neuroscience & Behavior	SERBIA
Pharmacology & Toxicology	SERBIA
Physics	SERBIA
Plant & Animal Science	PAKISTAN
Psychiatry/Psychology	TRINID & TOBAGO
Social Sciences, general	ETHIOPIA
Space Science	SERBIA

Through data of Essential Science Indicators SM from Thomson Reuters, ScienceWatch produces a bimonthly report of the citation increase in different countries and in particular areas. Serbia has a status of a "Rising Star" in scientific disciplines.



*Biomedical sciences*



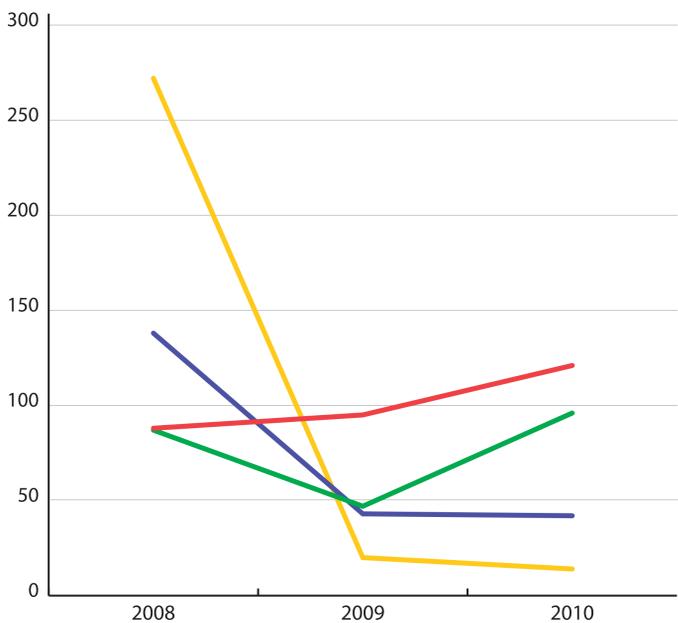
*Natural sciences*



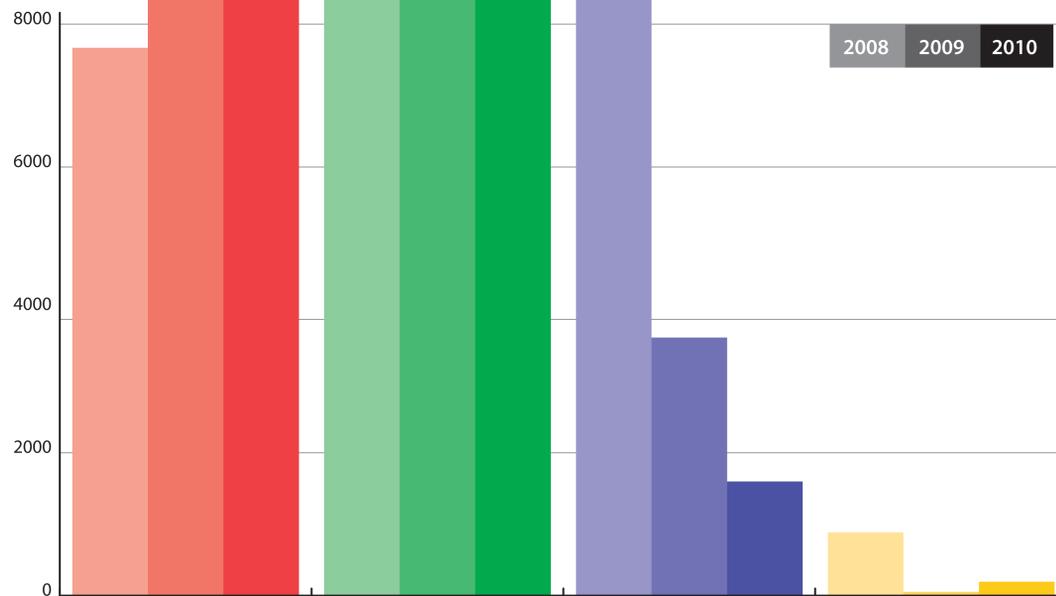
*Technical and technological sciences*



*Social sciences and humanities*



The number of requests to create a bibliography of cited papers was the largest in 2008, especially for the social sciences and the humanities, as well as for the technical and technological sciences.



Graph shows the number of citations for the last three years in 4 areas. Biomedical sciences have a tendency to increase the number of citations. Natural science had the most citations in 2009, technical and technological sciences have a tendency to decrease the number of citations. Social sciences and humanities have the lowest number of citations.