

**F-01 Quantitative qualitative analysis of international publications by Sri Lanka scientists: a variable to evaluate research groups**

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Publishing in international journals is a measure of quality of research projects. Quantitative and qualitative analysis of these publications could be used to make judgements on research groups and their impact on world science. In view of this, *Science Citation Index* has been analysed taking 1989 data as a sample. Analysis of publications by Sri Lankan scientists working in Sri Lanka in 1989 was used to measure the publication output and its impact on world science. There were 140 publications in the sample. More than 70% of them were from universities. University of Peradeniya alone had contributed more than 40% of the total publications. When analysed taking the Faculty as an administrative unit in universities, Faculties of Science publish more than 42% of the total publications. The *SLAAS communications* in 1989 and *Journal of National Science Council* data for 1987 - 1989 show a similar pattern of publication output. Most of the Faculties in Universities produce only 1 international publication per year by ten academic staff members (excluding assistant lecturers and lower grades). But the Faculties of Science in University of Peradeniya, Ruhuna and Jaffna produce one international publication per year by every other academic member.

The impact analysis shows that the Medical & Science Faculties of University of Colombo had a higher impact than any other Faculty.

The output and impact of the research publications by the medical specialists in the health sector are higher than that of any research institution in Sri Lanka.