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**Commercialization of scientific misconduct: the challenge of paper mills**

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According to an estimate, there are at least 400,000 papers in the scientific literature originating from paper mills, which are for-profit companies that guarantee the publication of low-quality papers. There is evidence that such papers are accompanied by various forms of scientific misconduct, including plagiarism, image duplication, falsification, and fabrication of data. These papers are cited and included in systematic reviews and meta-analyses, which have negative consequences for science and related disciplines. The scientific community has fragmented knowledge on paper mills, and many paper mills go undetected. Current resources of stakeholders are not sufficient to detect and prevent journals from publishing fraudulent papers. The goal of this presentation is to raise awareness of the paper mills problem and to discuss general 'red flags' of such papers, as well as possible measures to prevent editors and journals from publishing them. These measures may include open peer review, editor training, research on paper mills, improvement of detection methods, and united actions by stakeholders.