

According to practices preventing *ghostwriting* and *guest* authorship, the Author is asked to determine the contribution of all co-authors in the article. Please send it with the text as a separate file.

The authors' contributions into the publication are as follows:

	contribution
Author 1 (name, affiliation): Olga Momot, MSc, assistant Statistical Methods & Business Analytics Unit Institute of Statistics and Demography Collegium of Economic Analysis SGH Warsaw School of Economics	60%
Author 2 (name, affiliation): Wioletta Grzenda, PhD, Associate Professor Statistical Methods & Business Analytics Unit Institute of Statistics and Demography Collegium of Economic Analysis SGH Warsaw School of Economics	40%

According to the Ministry of Science and Higher Education (www.nauka.gov.pl):

- *Ghostwriting* is a situation when someone significantly contributes to writing a paper but is not acknowledged and listed in the references.
- *Guest authorship (honorary authorship)* is a situation when the Author's contribution is low or none and he/she is listed as the Author/Co-Author of a work.

The main responsibility for the provided information is born by the Author submitting the manuscript.

All unveiled cases of academic dishonesty such as ghostwriting and guest authorship, especially when scholarly rules of ethics are broken or breached, will be made public; actions include noticing suitable authorities (institutions employing the authors, scientific associations, academic editorial associations etc.).

Wioletta Grzenda
Olga Momot