

Contributor Roles Taxonomy (CRediT) – Authorship Contribution Statement

Please select the appropriate roles for each author of the article and record them following the provided template. The completed statement should be signed and submitted to the Editorial Office.

CRediT authorship contribution categories:

1. conceptualization (ideas; formulation or evolution of overarching research goals and aims)
2. data curation (management activities to annotate (produce metadata), scrub data and maintain research data for initial use and later reuse),
3. formal analysis (application of statistical, mathematical, computational, or other formal techniques to analyze or synthesize study data),
4. funding acquisition (acquisition of the financial support for the project leading to this publication),
5. investigation (conducting a research and investigation process, specifically performing the experiments, or data/evidence collection),
6. methodology (development or design of methodology; creation of models),
7. project administration (management and coordination responsibility for the research activity planning and execution),
8. resources (provision of study materials, reagents, materials, patients, laboratory samples, animals, instrumentation, computing resources, or other analysis tools),
9. software (programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components),
10. supervision (oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team),
11. validation (verification, whether as a part of the activity or separate, of the overall replication/reproducibility of results/experiments and other research outputs),
12. visualization (preparation, creation and/or presentation of the published work, specifically visualization/data presentation),
13. writing – original draft (creation and/or presentation of the published work, specifically writing the initial draft (including substantive translation),
14. writing – review and editing (reparation, creation and/or presentation of the published work by those from the original research group, specifically critical review, commentary or revision – including pre- or post-publication stages).

Example of an Authors' Contribution Statement using CRediT ((with percentage contribution):

CRediT authorship contribution statement:

Jan Kowalski: conceptualization, formal analysis, methodology, writing – original draft (total contribution: 55%).

Anna Nowak: conceptualization, data curation, formal analysis, funding acquisition, investigation, methodology, project administration, resources, writing – original draft, writing – review and editing (total contribution: 45%).