

CRediT AUTHOR STATEMENT

CRediT (Contributor Roles Taxonomy) was developed to acknowledge individual contributions to scholarly work, minimise authorship conflicts, and enhance collaboration. CRediT allows authors to specify their distinct contributions to a publication in a clear and structured manner. The corresponding author is responsible for ensuring that these designations are both accurate and agreed upon by all contributors. Each author's role should be listed using the relevant categories, and individuals may be credited for multiple roles where applicable. Credit statements:

TERM	DEFINITION
Conceptualisation	Ideas, formulation or evolution of overarching research goals and aims
Methodology	Development or design of methodology, creation of models
Software	Programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components
Validation	Verification, whether as a part of the activity or separate, of the overall replication / reproducibility of results / experiments and other research outputs
Formal analysis	Application of statistical, mathematical, computational, or other formal techniques to analyse or synthesise study data
Investigation	Conducting a research and investigation process, specifically performing the experiments, or data / evidence collection
Resources	Provision of study materials, materials, participants, samples, instrumentation, computing resources, or other analysis tools
Data Curation	Management of research data by annotating (adding metadata), cleaning, and preserving it – including essential software code – for initial use and future reuse.
Writing – Original Draft	Preparation, creation and/or presentation of the published work, specifically writing the initial draft (including substantive translation)
Writing – Review & Editing	Preparation, 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
Visualisation	Preparation, creation and/or presentation of the published work, specifically visualisation / data presentation
Supervision	Oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team
Project administration	Overseeing and coordinating research planning and execution
Funding acquisition	Acquisition of the financial support for the project leading to this publication

Sample CRediT author statement:

John S. Smith: Conceptualisation, Methodology, Software. **Maria Gonzalez:** Data Curation, Writing – Original Draft Preparation. **Liam O'Connor:** Visualisation, Investigation. **Elena N. Petrova:** Supervision. **Rahul Mehta:** Software, Validation. **Chen Wei:** Writing – Reviewing and Editing.

DATA AVAILABILITY STATEMENT

A data availability statement, also referred to as a data access statement, informs readers about the availability of research data linked to a publication and outlines the conditions for access. When applicable, it also provides direct links to the dataset. The table below presents template statements that can be used or modified as needed. However, this list is not comprehensive, and specific datasets may require a customised statement.

AVAILABILITY OF DATA

TEMPLATE FOR DATA AVAILABILITY STATEMENT

Data openly available in a public repository that issues datasets with DOIs	The data supporting this study's findings are openly available in [REPOSITORY NAME] at [DOI URL].
Data openly available in a public repository that does not issue DOIs	The data supporting this study's findings are openly available in [REPOSITORY NAME] at [URL].
Data derived from public domain resources	The data supporting this study's findings are available in [REPOSITORY NAME] at [URL / DOI URL]. These were obtained from publicly available resources: [LIST RESOURCES AND URLS].
Data available within the article or its supplementary materials	The data supporting this study's findings are included within the article and/or its supplementary materials.
Data generated at a central, large-scale facility, available upon request	Raw data were generated at [FACILITY NAME]. Derived data supporting this study's findings are available upon request from the corresponding author, [FULL NAME AND EMAIL ADDRESS].
Embargo on data due to commercial restrictions	The data supporting this study's findings will be made available in [REPOSITORY NAME] at [URL / DOI URL] following a [DURATION] embargo to allow for commercialisation of research findings.
Data available on request due to privacy/ethical restrictions	The data supporting this study's findings are available upon request from the corresponding author, [FULL NAME AND EMAIL ADDRESS]. The data are not publicly accessible due to [e.g., PRIVACY CONCERNS or ETHICAL RESTRICTIONS].
Data available on request from the authors	The data supporting this study's findings are available from the corresponding author, [FULL NAME AND EMAIL ADDRESS], upon reasonable request.
Data sharing not applicable – no new data generated	Data sharing is not applicable as this study did not generate or analyse any new data.
Non-digital data available	Non-digital data supporting this study are curated at [LOCATION].
Data not available due to [ethical/legal/commercial] restrictions	Supporting data for this study cannot be shared due to [ETHICAL / LEGAL / COMMERCIAL] constraints.
Data not available – participant consent	Due to the study's sensitive nature and lack of participant consent for public sharing, the data cannot be made available.