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
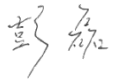
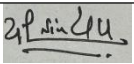

Journal Name:	Electronics
Manuscript ID (if known):	electronics-3143300
Manuscript Title:	Research on Vehicle-UAV Integrated Routing Optimization Problem to Deliver Medical Supplies
Authors:	Muhammad Arslan Ghaffar, Lei Peng, Muhammad Adeel, Chen Ting and
Corresponding Author(s):	Lei Peng

All authors of the paper should:

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- ☐ confirm that the manuscript has been read and approved by all named authors
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Please list all the manuscript authors and their contribution in the Contribution Table below. The corresponding author will be responsible to include a summary statement in the text of the manuscript in a separate section “Author Contributions”, that reflects what is recorded in the following table.

List ALL AUTHORS in the same order as the manuscript. (If additional author and signature fields are needed, please duplicate this form as needed):

Name	Contribution (please refer to Credit in Appendix)	Signature	Date
Muhammad Arslan Ghaffar	Formal analysis,Methodology,Writing - original draft		31-07-2024
Lei Peng	Supervision,Writing - review & editing,Funding acquisition		31-07-2024
Muhammad Adeel	Formal analysis,Validation		31-07-2024
Salim Dassari	Formal analysis, Writing - review & editing		31-07-2024

Appendix

Contributor Roles Taxonomy (CRediT)

Conceptualization	Ideas; formulation or evolution of overarching research goals and aims.
Data curation	Management activities to annotate (produce metadata), scrub data and maintain research data (including software code, where it is necessary for interpreting the data itself) for initial use and later re-use.
Formal analysis	Application of statistical, mathematical, computational, or other formal techniques to analyze or synthesize study data.
Funding acquisition	Acquisition of the financial support for the project leading to this publication.
Investigation	Conducting a research and investigation process, specifically performing the experiments, or data/evidence collection.
Methodology	Development or design of methodology; creation of models.
Project administration	Management and coordination responsibility for the research activity planning and execution.
Resources	Provision of study materials, reagents, materials, patients, laboratory samples, animals, instrumentation, computing resources, or other analysis tools.
Software	Programming, software development; designing computer programs; implementation of the computer code and supporting algorithms; testing of existing code components.
Supervision	Oversight and leadership responsibility for the research activity planning and execution, including mentorship external to the core team.
Validation	Verification, whether as a part of the activity or separate, of the overall replication/reproducibility of results/experiments and other research outputs.
Visualization	Preparation, creation and/or presentation of the published work, specifically visualization/data presentation.
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.