

**NASA West Virginia Space Grant Consortium
Research Initiation Grant
2021-2022 Application Form**

The NASA West Virginia Space Grant Consortium (WVSGC) is accepting proposals for funding research projects that are related to NASA's mission in Science, Technology, Engineering, and Math (STEM) and West Virginia priorities in Science and Technology. Typically, four or more awards are made depending on the availability of funds and quality of applications. This is a research initiation program with an objective to stimulate NASA sponsored research at academic affiliates of the NASA West Virginia Space Grant Consortium. Proposals must adhere to the following guidelines.

1. Please note that all proposals must align with one of the four NASA Mission Directorates. (Aeronautics Research, Human Exploration & Operations, Science, and Space Technology). To read about the latest programs and current interests for the Mission Directorates, please click [here](#). Failure to clearly indicate the alignment with a NASA Mission Directorate will result in disqualification of the proposal and not being forwarded to the reviewers.
2. Each successful applicant may receive up to \$20,000 from the Consortium. At least one-third of the total budget must be provided by the researcher's institution as cost-share.
3. The total budget for the project, including cost share, may range from \$10,000 to \$30,000.
4. For all projects with a total budget (NASA funds and cost share) exceeding \$10,000, the researcher must solicit collaboration of a scientist at a NASA facility to judge the merits of the proposed research. If successful, the NASA scientist will serve as the technical monitor for the project. For a list of NASA research priorities and WV priorities in Science and Technology, please see www.wvspacegrant.org/resources/downloads/.
5. The final decision regarding the award of the grants will be made by the Board of Directors of the NASA West Virginia Space Grant Consortium.
6. These grants are intended for faculty who are striving to initiate/establish an initial base of research support. Priority will be given to those who have not been awarded a Research Initiation Grant in the past, junior faculty, and those who are within five years of joining a Consortium academic affiliate as a member of the faculty.
7. At least one-third of the total proposed budget (NASA funds and cost share) must be allocated to fund a student research assistant of U.S. citizenship, preferably a graduate student.
8. Women and minorities are highly encouraged to apply.
9. Brief quarterly reports and a final report will be required.
10. A brief description of plans for publicizing the award and the results of the project is required.

Proposal Format

Cover Page: Please use the attached cover page. Note that the proposal must be signed by a representative of your institution who can certify the availability of cost-share funds (e.g., NASA WV Space Grant Consortium Board Member, Department Chair, Dean, or Financial Manager). Also, please provide at least two keywords to facilitate technical review of your proposal.

Research Summary: Provide a summary of the proposed research using no more than three (3) single-spaced pages with 1" margins on all sides. These summaries must be typed in Times New Roman (TNR) font size 12, and table entries must use at least font size 10. Clearly state the objectives and significance of the project, the approach to be used to achieve the objectives, and the specific outcomes that can be considered as project results. You may add a page for references cited. You must also identify the NASA Mission Directorate with which the proposed research is aligned as well as the rationale as to why you believe this research would be of benefit for that directorate.

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Budget: Provide a one-page detailed budget sheet describing the project costs. The budget should delineate between Consortium and institutional costs. Please note that NASA WVSGC funds may not be used to purchase equipment or for foreign travel. Do not include overhead charges however, waived/unrecovered indirect costs can be used as cost-share.

NASA Technical Monitor Evaluation Form: If applicable, use the attached form to indicate the NASA technical monitor's evaluation of the proposal and agreement to participate in the project. The project monitor must complete the project monitor's evaluation. This form must be included in the original application package.

Schedule and Milestones: The proposer is expected to identify a feasible timeline for accomplishing the proposed work along with reasonable milestones in which performance can be measured. As part of these milestones, the researcher is to identify Quarterly and Annual reports that are to be delivered to WV Space Grant Consortium. This section does not count toward the page limit of the research project summary.

Appendices: Appendices should include a one-page résumé of the investigator. Other supportive information can be added but should not exceed five pages. Also, please list all past awards, if any, received from NASA WVSGC or NASA WV EPSCoR including project title, award dates and amounts. If the investigator has received a NASA WVSGC or NASA WV EPSCoR research grant in the past, please indicate the unique nature of this research in comparison to past work and explain why it should be considered a new research area for the investigator.

Evaluation Criteria

Technical and Scientific Merit (40 points)

Potential for Future Funding and Long-Term Impact (10 points)

Soundness of Approach (25 points)

Relevance to NASA, Mission Directorates, and West Virginia's priorities in science and technology (15 points)

Budget Detail and Justification (10 points)

Schedule

Proposal due date: Monday, March 8, 2021, by 11:59 PM (EST)

Awards announcement date: Mid-April 2021

Anticipated project start date: May 16, 2021

Project duration: One year

Proposals must be submitted **online only**. Proposals received after the deadline will not be considered. **Please submit the online application [here](#).**

For more information and additional requirements, please visit the [program page](#).

For all questions regarding budget-related or proposal format issues, please contact the NASA WVSGC / NASA WV EPSCoR office at (304) 293-4099 or email:

Candy.Cordwell@mail.wvu.edu

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Technical Monitor Evaluation Form

This form must be completed by the technical monitor (NASA scientist).

Project Title: _____

Principal Investigator: _____

Institution: _____

Please provide a summary of the value of the proposed research and how it relates to NASA's current research activities and the potential it has for future funding. Please attach a separate page if needed. This original form must be included with the complete application package.

I am willing to serve as a technical monitor for this research project (if funded):

Name: _____

Address: _____

Title: _____

Phone: _____

Email: _____

Signature: _____

Date: _____

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Cover Page

Project Title: _____

Principal Investigator: _____

Signature: _____ Date: _____

Institution: _____

Address: _____

Telephone: _____

Email: _____

Key Words: _____

NASA Mission Directorate(s): _____

Request from NASA WVSGC: \$ _____

Institutional Cost Share: \$ _____

Total Budget: \$ _____

INSTITUTIONAL APPROVAL:

Institutional representative certifying availability of cost share funds:

Name: _____ Date: _____

Title: _____

Signature: _____

Address: _____

Telephone: _____

Email: _____