10-page Research Synopsis Submission Fast Facts

The 10-page Research Synopsis represents each team's research plan for their proposed project and will be reviewed and scored by a panel of judges. Finalist teams will be awarded $10,000 to support each team's research project and will continue to compete over the next year and present their research at the AlgaePrize Weekend. All this information can be found in the [AlgaePrize 2023-2025 Rules](#).

The narrative should address all three of the following concepts:

Novelty

The synopsis must describe how the team's proposed research compares to and will advance the current state of technology.

Suggested Content:

- Describe how the proposed project is innovative in addressing challenges associated with the utilization of and processing of algae.
- Describe how the proposed project addresses challenges within the proposed area of interest in a new and novel way compared to the current state of technology (be sure to include which strain you are working with).
- Describe how the proposed effort will be incorporated into the overall algae value chain improving and/or enhancing algae's commercialization potential.

Technical Feasibility

The synopsis must adequately describe a sound understanding of algae systems whether in production, downstream processing, or new product or analytical tool development.

Suggested Content:

- Describe the key technical aspects of the proposed project relative to the proposed area of interest.
- Describe the supporting body of knowledge, baseline, and goals/metrics that support the proposed effort.
- Describe the research approach that will be taken to accomplish the goals and metrics.
- Describe risks and associated mitigation strategies associated with the proposed project.
- Describe the team's qualifications.
- Describe the resources available for performing and completing the proposed effort (materials and supplies, research and analytical equipment, facilities, etc.).

Impact

In support of President Biden's diversity, equity, and inclusion goals, the team's impact discussion must include how diversity, equity, and inclusion will be included and addressed within the proposed effort.

Suggested Content:

- Describe the anticipated impacts resulting from the proposed project. Include potential key improvements, cost targets, life cycle and environmental benefits, and other impacts as applicable to the proposed effort.)
- Describe the commercial applicability of the proposed impacts resulting from the proposed project.
- As noted in the Diversity, Equity, and Inclusion in the Competition Section, include a plan/discussion describing how the proposed project incorporates diversity, equity, and inclusion goals.
- The extent to which the proposed project can benefit underserved communities.

Formatting Requirements:

Research Synopsis

- Template Available - We highly encourage teams to personalize their submission and make them unique. This document can always be added to your portfolio for future opportunities in your career.
- Written in English - Up to 10 pages
- All additional pages beyond page limits noted will NOT be reviewed
- Title Page, Table of Contents, Process Flow Diagrams, and Citation Pages do NOT count towards the page limits
- File type: Single, bookmarked PDF with all fonts embedded and 300 dpi minimum resolution
- ANSI A 8.5" x 11" paper size
- Minimum 11-point font size
- Minimum ½" margin on all sides
- All uploaded files must follow the following filename convention:
  - [TeamName]_[SchoolNameAbbreviated]_[SubmissionName].pdf

Team Photo

- All images must have a minimum resolution of 1920 x 1080 pixels
- Submit images as .jpg; .tiff; or .png
- Filename convention: TeamXYZ_SchoolMNO_TeamPhoto.jpg
- Zoom screenshots are acceptable

Resources + FAQs

Kickoff Webinar
[Kickoff Webinar Slides](#)

Synopsis Template
Feel free to use this [template](#) for your synopsis. We highly encourage teams to personalize their submission and make them unique. This document can always be added to your portfolio for future opportunities in your career.

Q: **Does the 10-page Research Synopsis need to be exactly ten pages of written content?**

A: No. Your synopsis can be up to 10-pages. All additional pages beyond page limits noted will not be reviewed. Title Page, Table of Contents, Process Flow Diagrams, and Citation Pages do not count towards the page limits.

Q: **What can the research funding be used for?**

A: All expenditures are intended to support the research synopsis in the form of samples, supplies, small equipment, or fees for laboratory analyses. Teams are encouraged to raise funds as needed to supplement the project.

To find more information, please visit HeroX and review the [AlgaePrize 2023-2025 Rules](#).