



Virtual Competition to celebrate the NJAS 65th Anniversary

PROJECT REQUIREMENTS

This year, the requirements to participate in the research competition will include three parts: an 8-10 minutes presentation, a written abstract, and high-quality headshot.

ABSTRACT REQUIREMENTS

Follow these instructions carefully (improperly prepared abstracts/missing info may cause rejection of your abstract):

1. We will only accept abstracts that are submitted in electronic form. The preferred format is MS Word, Arial font, size 12, fully justified. RTF format is also acceptable.
2. The abstract should be approximately 200 words long, excluding title, author and school or institution affiliation information.
3. Type the title in bold and all capitals, except for scientific names.
4. Start authors with the first author. Underline the name of the presenting author. The presenting author must be an active NJAS member. If the presenting author is a student, type (student) after the presenter's name.
5. **All abstracts and registration fees MUST be received by May 2, 2020. Late abstracts/meeting registrations are not accepted.**
6. You will be notified by e-mail after the abstract has been received and accepted.

Example of typical abstract:

SYNTHESIS AND IDENTIFICATION OF TERPENYL ETHERS - A COOPERATIVE COLLEGIATE-INDUSTRY PRODUCT

Joe Smith (student), Jane Doe, Chemistry Department, Kean University, Union NJ 07083

A series of terpenyl ethers was synthesized and analyzed for purity and structure. The ethers were submitted for aroma quality evaluation...

PRESENTATION REQUIREMENTS

For the presentation, students will submit a video of their PowerPoint with a voice over explaining their project.

The PowerPoint must have the following components:

1. Title Slide (Title, Name)
2. Introduction (Rationale)
3. Objective & Hypothesis
4. Assumptions
5. Materials, Equipment, Facilities
6. Procedure
7. Data
8. Graphs
9. Data Analysis
10. Conclusion
11. Plans for Further Research

Participants should consider the following questions before submitting final presentation:

- I. Scientific Thought
 - A. Does the project follow the scientific method?
 - B. Is the problem clearly stated?
 - C. Are the procedures appropriate and organized?
 - D. Is the information collected accurate and complete?
- II. Creative Ability
 - A. How unique or original is the project idea?
 - B. Is it significant or unusual for a student of this age?
- III. Understanding
 - A. Does the project explain what the student learned about the topic?
 - B. Does the project represent real study and effort?
 - C. Does the project show the child is familiar with the topic?
- IV. Clarity
 - A. Does the student clearly communicate the nature of the problem, how the problem was solved, and the conclusion?
 - B. Are the problems, procedures, data, and conclusions presented clearly and in a logical order?
 - C. Does the student clearly and accurately articulate in writing what was accomplished?
 - D. Is the objective of the project likely to be understood by one not trained in the subject area?

V. Presentation

- A. Is your display or presentation visually appealing?
- B. Is the proper emphasis given to important ideas?
- C. Are all the components of the project present and executed well?
- D. Is the project within the time limit of 8-10 minutes? (deduce 3 points for every 30 seconds over/under the limit)

PRESENTATIONS WILL BE EVALUATED AS FOLLOWS:

I. PRESENTATION CONTENT

	Outstanding		Good		Acceptable		Poor			
A. Background (i.e. relation to previous work/literature)	10	9	8	7	6	5	4	3	2	1
B. Originality of idea/purpose of the research	10	9	8	7	6	5	4	3	2	1
C. Appropriateness of methodology/ procedure/study design	10	9	8	7	6	5	4	3	2	1
D. Analysis of results	10	9	8	7	6	5	4	3	2	1
E. Interpretation of results/conclusion	10	9	8	7	6	5	4	3	2	1
F. Subject knowledge conveyed	10	9	8	7	6	5	4	3	2	1

II. PRESENTATION SKILLS

A. Delivery (i.e. clarity, loudness, grammar, etc.)	10	9	8	7	6	5	4	3	2	1
B. Organization of material (i.e. logical sequence and timed appropriate for 10 min allotment)	10	9	8	7	6	5	4	3	2	1
C. Appropriateness of visual aids (i.e. quality)	10	9	8	7	6	5	4	3	2	1
D. Ability to answer questions	10	9	8	7	6	5	4	3	2	1