# **NARST PhD SCHOLARSHIP**

#  **ESERA SUMMER SCHOOL 2022**

**Student Application Form**

**Personal information**

|  |  |
| --- | --- |
| First name |  |
| Surname/Family name |  |
| Name of Institution |  |
| Address of Institution |  |
| Postcode |  |
| Country |  |
| Email |  |
| Telephone |  |
| Fax |  |
| Are you a member of NARST (Y/N)? |  |

**Field(s) of science (Mark with X all that apply)**

|  |  |
| --- | --- |
| Physics Education |  |
| Chemistry Education |  |
| Biology Education |  |
| Environmental Education |  |
| General Science Education |  |
| Other |  |

**Which of the ESERA strands does your research deal with? (Mark with X all that apply)**

|  |  |
| --- | --- |
| Learning Science: Conceptual Understanding |  |
| Learning Science: Cognitive, Affective, and Social Aspects |  |
| Science Teaching Processes |  |
| Digital Resources for Science Teaching and Learning |  |
| Teaching-Learning Sequences as Innovations for Science Teaching and Learning |  |
| Nature of Science: History, Philosophy and Sociology of Science |  |
| Discourse and Argumentation in Science Education |  |
| Scientific Literacy and Socio-scientific Issues |  |
| Environmental, Health and Outdoor Science Education |  |
| Science Curriculum and Educational Policy |  |
| Evaluation and Assessment of Student Learning and Development |  |
| Cultural, Social and Gender Issues in Science and Technology Education |  |
| Pre-service Science Teacher Education |  |
| In-service Science Teacher Education, Continue Professional Development |  |
| Early Years Science Education |  |
| Science in the Primary School |  |
| Science Teaching at the University Level |  |
| Methodological Issues in Science Education Research |  |

**Information about your academic supervisor**

|  |  |
| --- | --- |
| First name |  |
| Surname/Family name |  |
| Name of Supervisor’s Institution |  |
| Is your supervisor a member of NARST? (Y/N) |  |

**Please submit 4 additional documents to your application materials that include the following.**

1. **WORD DOCUMENT 1: Rational and Budget**

**1a. Rationale for attending ESERA Summer School**

Please provide a rationale for your attendance at the 2022 ESERA Summer School and include a description of:

* Your goal for attending the Summer School,
* Your interest in science education research globally,
* A plan to disseminate/share what you learn, share your research and your experiences following the summer school either within your own University or with an even wider audience (500 words).

**1b. Budget Information\***

Please provide an estimated budget for your participation in the ESERA summer school (including travel, accommodation, fees, subsistence).

**\*Due to the current COVID-19 questions have arisen regarding in-person travel.** NARST in-person travel awards are provided to awardees after the end of the doctoral school. If travel is cancelled, or doctoral school participation does not take place, the award will be given. This is key as the COVID-19 pandemic continues to disrupt travel worldwide.

**If you need to cancel your trip for any reason, are not able to travel, or are not able to participate in the conference after travelling, NARST is not able to provide you with an award and is not able to cover the costs of cancelled registrations and/or cancelled travel costs. You will be asked to sign a waiver to release NARST from any liability of disruptions or incidences that may arise during or due to travel during the COVID-19 pandemic.**

1. **WORD DOCUMENT 2: CV:** A brief CV detailing your research and science education related activities.
2. **2 Letters of recommendation:** Two letters of recommendation are required.

***NOTE\*\** One letter should be from your advisor** and should provide detailed information about your need for travel funds. Your advisor should describe if you have any funds to support your travel - offered by university, grants or other sources. Funds are intended to support candidates with financial need.

1. **WORD DOCUMENT 3: Doctoral Research Synopsis**

**4a. Research Project Status**

Describe the current status of your research – describe what phases have you completed and what are you doing currently (maximum 100 words).

**4b. Research Overview**

1. (*Anticipated*) Title of your PhD project:
2. Date of beginning of your PhD study (month and year):
3. Estimated completion date of your PhD study (month and year):

4. Abstract**:** Provide a brief abstract of your PhD research (maximum 150 words)

5. Keywords**:** [Choose the appropriate option: Science / Biology / Chemistry / Physics / …], [Choose the appropriate option: Primary Education / Secondary Education / Tertiary Education / Out of School Education / …], […], […]

**4c. Research synopsis** (max 1,800 words including references)

Use the template below provided by ESERA Doctoral School Organising Committee, which can also be accessed here: <https://www.esera.org/summerschool/next-summer-school>

**Focus of the Study**

[Outline of the focus of your study, e.g. the topic it deals with, the problem or issue being addressed, clarification (if necessary) of the meaning of any key terms used in the study, the educational context of the study]

**Review of Literature / Theoretical Background / Theoretical Framework**

[Choose appropriate option]

[Review of the literature and/or discussion of the background ideas relevant to the study]

**Research Questions**

[Statement of the research question(s) the study is aiming to answer]

**Research Design and Methods**

[Outline of the research design, methodology and method(s) to collect data, and of how these data will be analysed]

**Preliminary Findings**

[Indication of the nature and extent of the data collected so far, discussion of data analysis undertaken so far (if applicable), and preliminary findings so far (if available)]

**References**

[References must be in APA style([www.tandf.co.uk/journals/authors/style/reference/tf\_A.pdf](http://www.tandf.co.uk/journals/authors/style/reference/tf_A.pdf)), see the following example:Jacobson, N. S., & Truax, P. (1991). Clinical significance: A statistical approach to defining change in psychotherapy research. *Journal of Consulting and Clinical Psychology, 59,* 12-19.]

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| --- |
| **Formatting Guidelines*** Format: Word.
* Margins: 2.5 cm left, right, top and bottom.
* Paper size: A4.
* Title of Synopsis: Times New Roman 16 Points, Bold.
* First Level Headings: Times New Roman 14 Points, Bold.
* Second Level Headings (if needed): Times New Roman 12 Points, Bold.
* Text: Times New Roman 12 Points, Justified, Line Spacing 1.15, Paragraph Spacing 6 Points.
* Section headings: As suggested above, but these can be adapted if necessary.
* Tables and Figures: Insert numbered Tables and Figures in the text where appropriate, Captions in Times New Roman 11 Points above Tables and below Figures, Justified, Line Spacing 1.0.
* References: APA Style, Times New Roman 11 Points, Justified, Line Spacing 1.0, Paragraph Spacing 0 Points.
* Length: The synopsis should be no more than 1,800 words, including references.
* Please note: In your synopsis, do not insert your name and institution, and/or do not insert any self-identifying information. After the review procedure is completed, your name and institution will be inserted by the Local Organising Committee in the process of preparing the Book of Synopses.
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