

PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life

Guidelines for application for PhosAgro/UNESCO/IUPAC research grants in green chemistry

Purpose

1. PhosAgro/UNESCO/IUPAC research grants in green chemistry are intended to harness talents of young scientists worldwide for promoting the contribution of green chemistry for protection of the environment and human health, creation of new environmentally-sound science-based technologies, and identification of novel vistas for energy savings and use of natural resources.

2. The aim of the Guidelines for application for *PhosAgro/UNESCO/IUPAC research grants in green chemistry* is to generate and apply new scientific knowledge in green chemistry through the promotion of the activities of young scientists in this area. It is also to reinforce the research capacities of the participating institutes and cooperation between them, and to increase awareness of policy - and decision-makers in governments, science and industry, and the public at large, of the opportunities offered by advances in green chemistry.

Research grants

3. PhosAgro/UNESCO/IUPAC research grants in green chemistry are awarded to enable young scientists to carry out innovative scientific research projects in green chemistry that advance scientific knowledge and the use of the outputs to respond to one or more of the 12 (twelve) principles of green chemistry.

4. These grants are awarded to young scientists aged 39 or less (on the date of the deadline for submission of applications) for research projects having a work plan demonstrating that the proposed research will be completed in one year.

5. A PhosAgro/UNESCO/IUPAC grantee is normally entrusted with full responsibility for implementation of his/her research project.

6. No grant or additional funding will be given by PhosAgro, UNESCO or IUPAC to the home institute of the grantee or, in the case of any part of the project having to be carried out away from the grantee's home institute, to the institute receiving the grant, and/or members of the research team he/she is heading, to cover research costs, bench fees or overheads.

7. Normally, in each call no more than one candidate per home institute will be awarded a grant.

8. Up to US\$30,000 (thirty thousand US dollars) will be provided for each research grant.

9. There will be 1 (one) call for applications for PhosAgro/UNESCO/IUPAC research grants per year. The call will be issued for applications for grants to be awarded in 2023 for projects in green chemistry and for projects concerning phosphogypsum. The closing date for the submission of applications will be 30 June 2023.

10. Retrospective applications cannot be considered.

11. PhosAgro, UNESCO and IUPAC do not recognize recipients of their grants as agents or employees of the Partnership and accept no liability for their actions and activities, or for their health and safety. It is the responsibility of the grantee to ensure that the home institute and host institute(s) are fully covered by the appropriate insurances.

12. Medical and travel insurance are not provided by PhosAgro, UNESCO or IUPAC. Recipients of grants are urged to ensure that they are fully covered by the necessary insurances.

13. PhosAgro/UNESCO/IUPAC research grants in green chemistry are not endowed with any tax privileges. It is the responsibility of the grantee to pay any taxes levied by a national authority.

Use of funds

14. The funds (up to US\$30,000) provided for each research grant may only be used for activities that enable promising research in green chemistry, and are proposed, and to be carried out, by young scientists, in particular through regional or international scientific collaboration and/or science/industry co-operation.

15. The resources made available through a grant may not be utilized for purposes other than those enumerated below unless recommended otherwise by the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life that is responsible for evaluating the project proposals received:

(a) Travel and living expenses that are indispensable for implementation of the research project and relate to:

i. research work of the grantee (and/or of a member(s) of the research team he/she is heading if involved in implementation of the research project) to be carried outside the country of his/her institute of origin;

ii. the acquisition abroad of additional research experience required for the grantee (and/or for a member(s) of the research team he/she is heading if

involved in implementation of the research project) in research methods to be applied for execution of the research project (no more than 50% of the grant);

iii. consultation at the grantee's institute of origin with invited foreign experts and/or the holding there of meetings of experts (no more than 20% of the grant);

iv. testing trials in co-operation with industry or environmental/health institutions, (no more than 30% of the grant); and

v. participation by the grantee (and/or by a member(s) of the research team he/she is heading if involved in implementation of the research project) in regional/international events connected to the topic of the grantee's research project and/or dissemination of information on its results (no more than 15% of the grant);

(b) purchase/rental of research equipment and/or consumables required for the project, subject to the approval by the International Scientific Jury on an item-by-item basis (no more than 50% of the grant); and

(c) preparation and publication of information material and reports on the project (e.g. editing, graphic design, printing, etc.), and communication and organizational expenses (no more than 10% of the grant). Any project proposal containing expenditures not enumerated in this point, yet deemed relevant to the research project, will be examined on a case-by-case basis by the International Scientific Jury.

Eligibility and receivable applications

16. To be eligible for a PhosAgro/UNESCO/IUPAC research grant in green chemistry a candidate should:

- (a) be a young scientist aged 39 (thirty-nine) or less (on the date of the deadline for submission of application);
- (b) hold a PhD or equivalent in chemistry or an interdisciplinary allied area;
- (c) have at least 3 (three) publications in recognized scientific journals; and
- (d) have submitted no more than one project proposal for the call for applications for which he/she is submitting an application.

17. To be considered, a project proposal should:

- (a) have as its objective innovative research that advances green chemistry and/or the use of its outputs as called for by the **12 (twelve) principles of green chemistry**;
- (b) contain clear evidence that if awarded the PhosAgro/UNESCO/IUPAC grant will be used to carry out key research required for implementation of the proposed project;
- (c) include a work plan of the project that shows that the research proposed will be completed in one year; and

(d) contain evidence that the research proposed in the work plan of the project will be carried out by the candidate, either individually or with the team of scientists he/she may be heading.

18. Candidates should ensure that their application is complete. Incomplete applications or applications that do not correspond to the criteria defined in these guidelines will be rejected.

Submission of applications

19. Applications for the grants to be awarded in 2023 should reach the Secretariat of the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life no later than 30 June 2023.

20. **Application forms may be downloaded from a zipped file that is available on the web-page:**

<https://www.unesco.org/en/basic-sciences/green-chemistry>.

21. Completed application forms, typewritten in English or in French, should be sent electronically to the Secretariat of the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life **together with the following documents** also written in English or in French:

(a) A synopsis of the proposed research project in green chemistry of no more than 6 (six) A4-sized pages of single -spaced text (in Times New Roman font size 12) set out under the following headings and written on the **project proposal form**, specifically prepared for this purpose

i. title of the proposed research project in green chemistry;

ii. purpose, including the immediate and longer-term aims;

iii. background relating the new knowledge or innovations to be brought about by the proposed research to the present body of knowledge;

iv. plan, including details of the experiments to be carried out;

v. Principal expected results and their potential or immediate application(s) with a relevant reference to some of the 17 **Sustainable Development Goals** adopted by all United Nations Member States in 2015 as a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by **2030**.

vi. suitability of the home institute for the project to be carried out and reasons for choosing the host institute (s)/science centre(s)/science network(s) to be involved in its implementation.

Any synopsis of the proposed research project not set out under the foregoing 6 (six) headings will NOT be considered.

In addition:

◆ a timetable of the experimental work to be carried out is to be set out on an extra page

◆ a budgetary breakdown of the proposed use of the funds (in line with guidelines recapitulated in paragraph 15) required for implementation of the research project is to be provided on a separate page(s)

(b) A short curriculum vitae (academic qualifications and positions held/other academic activities carried out; major fields of training and research experience; and, in no more than five lines, current research work) with a list of publications – an asterisk should be marked next to the three most significant ones. Abstracts should not be listed.

(c) A copy of the candidate's PhD diploma or diploma of equivalent degree (including translation of the diploma into English or French if the original is neither in English nor in French).

(d) A letter of approval from the candidate's home institute in which he/she is a staff member and at which the proposed research project will be carried out **(on the official approval form referred to below)** signed by the appointed head of the institute or department, and countersigned by the head of the research group(s) in which the candidate will be working, acknowledging that the candidate will be neither an agent nor employee of PhosAgro, UNESCO or IUPAC, which will accept no liability for his/her actions or for his/her health and safety, and that these conditions will also apply to any member of his/her research team who may be involved in the proposed research project; approving the proposed project and those stays away from the institute envisaged in the work plan outlined in the project proposal; and confirming that responsibility for carrying out the project will lie with the candidate, and that the institute will make its facilities needed for its execution available to him/her (and the member(s) of his/her research team, if applicable) without asking PhosAgro, UNESCO or IUPAC, or the candidate (or member(s) of his/her research team, if applicable), for any additional research grant or funding. This letter should be provided on the **official approval form** prepared for this purpose.

(e) A letter of acceptance from the host institute (in the case of any part of the project having to be carried out away from the home institute) on the official acceptance form referred to below, signed by the appointed head of the institute or department, and countersigned by the head of the research group(s) in which the candidate (and/or member(s) of his/her research team, if involved in implementation in the project) will be working, acknowledging that the candidate (and/or member(s) of his/her research team, if involved in implementation in the project) will be neither an agent(s) nor employee(s) of PhosAgro, UNESCO or IUPAC, which will accept no liability for his/her(their) actions or for his/her(their) health and safety, and confirming the institute's readiness to host the candidate (and/or member(s) of his/her research team, if

involved in implementation in the project) and to make its relevant facilities available to him/her(them) to pursue the research or training proposed without asking PhosAgro, UNESCO or IUPAC or the candidate (or member(s) of his/her research team) for any additional research grant, bench fees or overheads, and listing those dates the candidate (or member(s) of his/her research team) will be spending/has already spent at the institute. This letter should be provided on the **official acceptance form** prepared for this purpose. If there is to be more than one host institute, there should be a letter of acceptance from each institute.

(f) A letter of recommendation from an experienced scientist who knows the applicant's work supporting the application and assessing the candidate's scientific skills and ability to carry out the proposed research project. This letter should be written on headed paper of the referee's laboratory, signed by the referee and should be sent directly to the **Chair of the International Scientific Jury** of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life, independently of the other documents. It should be sent electronically as a PDF file. With the exception of the reference letter, which should be sent separately by the scientist writing it, candidates should send all the documents electronically **in PDF format, preferably as a single PDF file and in the following order:**

- i. application form;
- ii. project proposal form giving the synopsis of the proposed research project;
- iii. timetable of the experimental work to be carried out;
- iv. budgetary breakdown of the proposed use of the funds required for implementation of the research project;
- v. curriculum vitae;
- vi. copy of PhD diploma or diploma of equivalent degree;
- vii. letter of approval from the home institute at which the candidate is employed when carrying out the project: and
- viii. letter of acceptance from the host institute(s).

Candidates are to keep one complete copy of the entire application with original signatures in paper form (with the exception of the reference letter, which is to be sent separately by the scientist writing it) so that they may submit it to the Chair of the International Scientific Jury if so requested.

22. Candidates having submitted an application will be sent an electronic acknowledgement of the application within 2 (two) weeks of its receipt.

23. Applications from candidates who have in any way modified the PhosAgro/UNESCO/IUPAC Application Form or the Project Proposal Form will immediately be rejected, irrespective of the quality of the application.

24. Applications submitted will not be returned to the candidates.

Evaluation and awarding of grants

25. Applications will be assessed by the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life.
26. The Chair of the International Scientific Jury will inform candidates on the decision taken on their application. Candidates having submitted an application for a grant to be awarded in 2023 will be informed of this decision before 30 September 2023.
27. A grant should be taken up within 5 (five) months of notification of its award. Any delay will require the authorization of the Chair of the International Scientific Jury.
28. The funds are granted by means of a contract established by UNESCO.
29. A letter from the International Scientific Jury recommending support for the project from other international, regional or national science programmes will be sent to those candidates having submitted a promising project proposal for which it was not possible to provide a PhosAgro/UNESCO/IUPAC Grant due to budgetary limitations.

Reporting and Acknowledgements

30. Grantees **must** prepare reporting documents that will be specified in the contract established by UNESCO for the implementation of the research projects they proposed. These documents are to be sent electronically and by mail as required to the **Chair of the International Scientific Jury**.
31. If judged relevant by the International Scientific Jury, a grantee may be invited to make a presentation on his/her research project at a meeting of the Jury or at an international meeting related to green chemistry.
32. The PhosAgro/UNESCO/IUPAC grant should be acknowledged in any work published relating to the project funded, and one reprint of each article should be sent electronically to the Chair of the International Scientific Jury.

Distinctions

33. Grantees having carried out an outstanding research project may be awarded a PhosAgro/UNESCO/IUPAC distinction in green chemistry in recognition of the quality of the research they carried out, and to promote awareness of the results they obtained and foster use of these results or follow up research. The distinction may, in particular, take the form of a follow-up grant to develop the promising research carried out, or another form to be recommended by the Jury on case-by-case basis.

**Application form for a
PhosAgro/UNESCO/IUPAC
research grant in green chemistry for young scientists**

This form should be completed in English or in French (and typed) and sent to the Chair of the International Scientific Jury (ISJ) of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life with the requested enclosures. All the documents should be sent electronically, preferably as a single PDF file to green.chemistry@unesco.org with copy to greenchemistry@phosagro.ru. In addition, one full copy of the entire application with original signatures (except the reference letter) should be kept by the applicant to be submitted to the Chair of the ISJ if so requested.

INFORMATION ON THE APPLICANT

Family name: First name(s):

Full name and address of laboratory where you are employed when carrying out the proposed research project (including URL address):

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.....
.....
.....

Telephone: Fax: E-mail:

Date and Country of Birth: Age:

Male/Female (circle): M/F Nationality:

Scientific field of PhD or equivalent degree, and date awarded:
.....

INFORMATION ON THE PROJECT PROPOSAL

Title of proposed research project:
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Full name of host institute(s) that will participate in implementation of the proposed research project. For each, please indicate the name, address, telephone and fax numbers, e-mail address, and url address of the laboratory at the institute which is to be involved in implementation of the research project, as well as the name of the head of the laboratory:

.....

Name, age, current position and science degree of members of the team headed by you who will be involved in implementation of the proposed research project (if applicable):

.....

Tick below those of the 12 principle(s) of green chemistry¹ that correspond to the profile of your proposed research project. If none are directly applicable, please indicate in the row 'other' the impact your project may have on the advancement of green chemistry.

- Prevention of waste to avoid treating or cleaning up waste after it has been created
- Atom economy through new synthetic methods designed to maximize the incorporation of all materials used in the process into the final product
- Less hazardous chemical syntheses designed to use and generate substances that possess little or no toxicity to human health and the environment
- Design of safer chemicals able to carry out the desired function while minimizing their toxicity
- Avoiding wherever possible or minimizing the use of auxiliary substances (e.g. solvents, separation agents, and others), and introducing safer solvents and auxiliaries that are innocuous when they have to be used
- Design for energy efficiency of chemical processes to minimize their environmental and economic impacts and if possible, to introduce synthetic methods to be conducted at ambient temperature and pressure
- Promotion of the use of renewable raw materials or feedstock instead of depleting ones whenever technically and economically practicable
- Reduce derivatives through minimizing or avoiding the use of blocking groups, protection/deprotection, and temporary modification of physical/chemical processes that require additional reagents and can generate waste
- Catalytic reagents as selective as possible
- Design for degradation of chemical products at the end of their function into innocuous degradation products not persisting in the environment
- The development of analytical methodologies needed to allow real-time analysis for pollution prevention, in-process monitoring and control prior to the formation of hazardous substances
- Inherently safer chemistry for accident prevention substances and the form of a substance used in a chemical process to be chosen to minimize the potential for chemical accidents, including releases, explosions, and fires
- Other

.....

¹ Anastasia, P. T. and Warner, J. C. Green Chemistry: Theory and Practice. Oxford University Press: New York, 1998, p. 30

.....

 Have you applied for support for the proposed research project to other sources? In the affirmative, please specify to which:

.....

 Have you obtained support for the proposed research project from other sources? In the affirmative, please specify from which and the amount(s) obtained:

.....

 Intended starting date of proposed research project: (DD/MM/YYYY)

Date of application: (DD/MM/YYYY)

Signature

RECAPITULATION OF DOCUMENTS TO BE SUBMITTED

No application will be considered complete without the documents listed below. Except for the reference letter, which should be sent directly by the referee, candidates should send these documents electronically to the Chair of the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life to the following address green.chemistry@unesco.org with copy to greenchemistry@phosagro.ru in PDF format, preferably as a single PDF file in the order listed below.

All documents should be typewritten.

1. **Application form**
2. (a) **Synopsis of the proposed research project** in green chemistry to be written by the applicant, in English or in French, on no more than **six A4-sized pages** of single-spaced text (in Times New Roman font size 12) **on the project proposal form** specially prepared for this and posted on the UNESCO website for *PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life*, set out under the following headings: (i) title; (ii) purpose, including the immediate and longer-term aims; (iii) background relating the new knowledge or innovations to be brought about by the proposed research to the present body of knowledge;

- (iv) plan, including details of the experiments to be carried out; (v) principal expected results and their potential or immediate applications(s); (vi) Suitability of the home institute for the project to be carried out and reasons for choosing the host institute(s)/science centre(s)/science network(s) to be involved in its implementation.
- (b) A **timetable of the scientific work** to be carried out on a separate page (no longer than one page).
- (c) A **budgetary breakdown** of the proposed use of the funds required for implementation of the research project.
3. (a) **Short curriculum vitae** (academic qualifications and positions held/other academic activities carried out; major fields of training and research experience; and, in no more than five lines, current research work)
- (b) **List of Publications.** Mark with an asterisk the three most significant ones. **Do not submit articles and do not list or submit abstracts.**
4. A copy of your **PhD diploma or diploma of an equivalent degree (including translation of the diploma into English or French if the original is neither in English nor in French).**
5. **Approval letter** from your home institute at which you will be carrying out the proposed research project on the **official form posted on the website of UNESCO**, signed by the appointed head of your institute or department and countersigned by the head of the group(s) in which you will work, acknowledging that you (and member(s) of the research team you head, if involved in the project) will be neither an agent(s) nor employee(s) of PhosAgro UNESCO or IUPAC, which will accept no liability for your actions or for your health and safety, indicating agreement with your proposed project and those stays away from the institute envisaged in the work plan outlined in the project proposal, and confirming that you will be responsible for carrying out the project, that you (and/or member(s) of the research team you head, if involved in the project) will be provided with the institute's facilities needed for its execution, and that neither PhosAgro, UNESCO, IUPAC nor you (or member(s) of the research team you head, if involved in the project) will be asked for any additional research grant or funding for the project.
6. **Acceptance letter** from the host institute (in the case of any part of the project having to be carried out away from the home institute) on the **official form posted on the website of UNESCO** signed by the appointed head of the institute or department, and countersigned by the head of the research group(s) in which you (and/or member(s) of the research team you head, if involved in implementation of the project) will work, acknowledging that you (and/or member(s) of the research team you head, if involved in implementation of the project) will be neither an agent(s) nor employee(s) of PhosAgro, UNESCO or IUPAC, which will accept no liability for your (their) actions or for your (their) health and safety, indicating agreement with your (and/or their) proposed stay, confirming that you (and/or they) will be provided with its relevant facilities needed to pursue your (their) proposed research or training, and that neither PhosAgro, UNESCO, IUPAC nor you (or member(s) of the research team you head) will be asked for any additional research grant, bench fees or overheads, and listing those dates you (or member(s) of the research team you head, if involved in implementation of the project) will be spending/have already spent at the institute. If there is to be more than one host institute, there should be a letter of acceptance from each institute.

7. **Reference letter** to be sent separately to the Chair of the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry by an experienced scientist who knows your work, supporting your application and assessing your scientific skills and ability to carry out the proposed research project. This should be written on headed paper of your referee's laboratory and sent directly, and electronically in a PDF file to the Chair of the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry (green.chemistry@unesco.org with copy to greenchemistry@phosagro.ru), independently of the other documents.

CHAIR OF THE INTERNATIONAL SCIENTIFIC JURY (ISJ)

Professor John Corish
Chair of the International Scientific Jury for Green Chemistry
Division of Science Policy and Basic Science
UNESCO
7 Place de Fontenoy
75352 Paris Cedex 07
France
E-mail: green.chemistry@unesco.org

NOTA BENE

A candidate may submit no more than one project proposal per call for applications.

Retrospective applications cannot be considered.

Unsigned application forms are not receivable.

Incomplete applications, applications that do not correspond to the criteria defined in the guidelines for PhosAgro/UNESCO/IUPAC research grants in green chemistry, or application forms that have been modified in any way will immediately be rejected, irrespective of the quality of the application.

Documents will not be sent back to the applicants.

Project Proposal Form
for synopsis of proposed research project in green chemistry

The synopsis of the proposed research project in green chemistry for which a PhosAgro/UNESCO/IUPAC grant is being sought should be written on this form, in English or in French, and should be set out under the six headings given below. It should be typewritten, and should not exceed 6 (six) A-4 sized pages of single-spaced text (in Times New Roman font size 12). Each of the boxes below automatically expand when being completed, thereby providing the space required for the text to be typed therein. The completed form should be sent electronically as a PDF file (preferably within a single PDF file that contains all documents of application) to the Chair of the International Scientific Jury of the PhosAgro/UNESCO/IUPAC Partnership in Green Chemistry for Life, together with the application form and the other documents listed in the guidelines for the application for a PhosAgro/UNESCO/IUPAC research grant in green chemistry

1	Title of the proposed research project in green chemistry
2	Purpose, including the immediate and longer-term aims
3	Background relating the new knowledge or innovations to be brought about by the proposed research to the present body of knowledge
4	Plan, including details of the experiments to be carried out
5	Principal expected results and their potential or immediate application(s) with a relevant reference to some of 17 Sustainable Development Goals adopted by all United Nations Member States in 2015 as a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity by 2030 .
6	Suitability of the home institute for the project to be carried out and reasons for choosing the host institute(s)/science centre(s)/science network(s) to be involved in its implementation

**PhosAgro/UNESCO/IUPAC Partnership
in Green Chemistry for Life**

To the Chair of the International Scientific Jury for Green Chemistry
Professor John Cornish
Division of Science Policy and Basic Science
UNESCO
7 Place de Fontenay
75352 Paris Cedex 07
France
E-mail: green.chemistry@unesco.org

**Formal approval by home institute of application for a
PhosAgro/UNESCO/IUPAC grant in green chemistry**
(To be filled in by the home institute at which the applicant is employed when
carrying out the proposed research project)

The _____
*(Name and address of the home institute at which the applicant is employed when
carrying out the proposed research project)*

endorses and supports the application of

*(Name of the applicant and his/her position at the home institute at which he/she is
employed when carrying out the proposed research project)*

for a PhosAgro/UNESCO/IUPAC grant for the research project _____

(Title of proposed research project)

It is understood that the above applicant, who will be carrying out the above-mentioned proposed research project at this institute, will not be in any sense an agent or employee of PhosAgro, UNESCO or IUPAC, which accept no liability for his/her actions or for his/her health and safety, and that these conditions will also apply to any member of his/her research team to be involved in the said research project. The home institute approves this project and those stays away from the institute envisaged in the work plan outlined in the project proposal, and it confirms that responsibility for carrying out the project will lie with the above applicant and that it will make its facilities needed for its execution available to him/her (and the member(s) of his/her research team, if

applicable) without asking PhosAgro, UNESCO or IUPAC, or the above applicant (or member(s) of his/her research team) for any additional research grant or funding for it.

Name of head of the group(s)
in which the applicant will
work:

Name of appointed head of the
Institute or Department:

USE BLOCK LETTERS

USE BLOCK LETTERS

Signature:

Signature:

To the Chair of the International Scientific Jury of the Project
Professor John Corish
Division of Science Policy and Basic Science
UNESCO
7 Place de Fontenoy
75352 Paris Cedex 07
France
E-mail: green.chemistry@unesco.org

**Formal acceptance to host applicant for a
PhosAgro/UNESCO/IUPAC grant in green chemistry
and/or member(s) of his/her team**

(To be filled in by the host laboratory)

The application of _____
(Name of the applicant)

(Name and country of the institute of origin of the applicant)

(and/or name of the member(s) of the applicant's team, if applicable)

to visit _____
(Name and address of the host laboratory)

from _____ (starting date) to _____ (finishing date) is hereby accepted.

If the applicant (and/or members of his/her team) has (have) previously worked at the host laboratory, please indicate the dates of his/her (their) stay. If any of them is currently still there, please indicate the starting date of the stay.

from _____ (starting date) to _____ (finishing date)

It is understood that the above scientist(s) benefiting from funding from a grant from the PhosAgro/UNESCO/IUPAC Partnership in green chemistry will not be in any sense an agent(s) or employee(s) of PhosAgro, UNESCO or IUPAC, which accept no liability for his/her(their) actions or for his/her(their) health and safety. The host laboratory and Institute accept the above scientist(s) and will make their relevant facilities available to him/her(them) to pursue the research or training proposed without asking PhosAgro, UNESCO or IUPAC, or the above scientist(s), for any additional research grant, bench fees or overheads for this.

Name of head of the research group(s)
in which the applicant will
work:

USE BLOCK LETTERS

Signature:

Name of appointed head of the
Institute or Department:

USE BLOCK LETTERS

Signature:

Aux Commissions nationales pour
l'UNESCO

20 décembre 2022

**Le Sous-Directeur général
pour la Priorité Afrique et les Relations
extérieures**

Réf.: SC/PBS/RIE/22/10644

Madame la Secrétaire générale,
Monsieur le Secrétaire général,

J'ai le plaisir de vous informer que le huitième appel à candidatures pour les subventions PhosAgro/UNESCO/IUPAC, en soutien de projets de recherche en chimie verte, est ouvert. Ces subventions de recherche (d'une valeur pouvant atteindre USD30.000 par subvention) sont attribuées à des projets prometteurs et innovants, réalisables en l'espace d'un an, et proposés par un(e) jeune scientifique à la tête d'une équipe de recherche ou travaillant seul au sein de son institut. Une subvention spéciale est de plus attribuée séparément à des projets de recherche en chimie verte innovants centrés sur la transformation et l'utilisation du phosphogypse.

Ce partenariat UNESCO/PhosAgro/IUPAC « Green Chemistry for Life » soutient la chimie verte, qui est devenue une cible de choix pour la recherche de pointe dans les technologies durables. Elle peut permettre de réduire (ou éliminer) la production et l'utilisation de substances dangereuses dans la conception, la fabrication et l'application de produits chimiques par l'industrie, l'agriculture ou les mines. Les solutions développées par la chimie verte ouvrent la voie à des technologies qui ne nuisent pas à l'environnement, permettent des économies d'énergie et ont des répercussions positives sur l'environnement et la santé. Ces solutions constituent un préalable indispensable à la réalisation des objectifs définis par le Programme de développement durable à l'horizon 2030.

Chaque proposition de projet doit être soumise par un(e) jeune scientifique ayant l'entière responsabilité de la mise en œuvre du projet. Les candidats doivent être âgés de moins de 40 ans et être titulaires d'un doctorat ou d'un diplôme équivalent en chimie ou dans un domaine interdisciplinaire apparenté. Les bourses sont attribuées à la suite d'un processus de sélection sur la recommandation d'un jury international composé de scientifiques de haut niveau.

Des informations détaillées sur ces subventions de recherche, ainsi que les démarches à suivre afin de postuler, se trouvent sur le site Internet de l'UNESCO à l'adresse suivante :

<https://www.unesco.org/fr/basic-sciences/green-chemistry>

La date limite de dépôt de dossiers de candidature est le 30 juin 2023.

Je vous serais reconnaissant de bien vouloir porter ce huitième appel à candidatures pour les subventions de recherche à l'attention des institutions scientifiques pertinentes et des réseaux de votre pays qui pourraient, selon votre avis, être intéressés par le partenariat PhosAgro/UNESCO/IUPAC en chimie verte.

Les informations relatives à ce partenariat et aux subventions de recherche ont également été transmises aux institutions scientifiques internationales et régionales ainsi qu'aux réseaux et centres d'excellence en chimie et ses disciplines associées, qui coopèrent avec les institutions nationales sous les auspices de l'une des organisations partenaires, à savoir, l'UNESCO, l'IUPAC et PhosAgro.

Mme Amal Kasry, Chef de la Section des sciences fondamentales, de la recherche, de l'innovation et de l'ingénierie (a.kasry@unesco.org, +33 1 45680677), sera disponible pour offrir tout soutien nécessaire.

Je vous prie d'agréer, Madame la Secrétaire générale, Monsieur le Secrétaire général, l'assurance de ma considération très distinguée.



Firmin Édouard Matoko