

**F.No. M-21012/31/2019-TECH**  
**Government of India**  
**Cabinet Secretariat**  
**National Authority Chemical Weapons Convention**

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1<sup>st</sup> Floor, Chanakya Bhawan, Chanakya Puri  
New Delhi, Dated 30<sup>th</sup> September 2019

**OFFICE MEMORANDUM**

**Subject:-** Invitation to apply for a fellowship in Green And Sustainable Chemistry OPCW Headquarters, The Hague, The Netherlands in 2019 and 2020-regarding.

Please find enclosed herewith a copy of TS note number S/1783/2019 Dated 12 August 2019 having one Annexure (Annexure-1: Fellowship Programme Application Form) on the above mentioned subject from Technical Secretariat (TS), Organization for Prohibition of Chemical Weapons (OPCW).

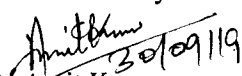
2. It is therefore requested that, nomination of suitable, qualified and experienced Chemist/Officer of an appropriate level along with below-mentioned documents may be sent to this office **latest by 25<sup>th</sup> October 2019**. The head of the concerned Department/Organization may also certify that the applicant is clear from vigilance angle and that no departmental proceeding against him is contemplated. The applicant needs to send application adhering Annexes, as per revised guidelines of NACWC available on website ([www.nacwc.nic.in](http://www.nacwc.nic.in)).

3. It is further informed that, the said course is purely technical in nature and is meant for the candidate having a Master's degree in Chemical Science or Engineering, accompanied by an advanced degree (PhD) or five years of relevant experience in the field of Science and Technology. Candidates must possess excellent scientific communication skills, including drafting of scientific papers, reports, technology surveys, and so on. Through theoretical knowledge of green chemistry and relevant experience is required. Candidate should have good computer skills and proficient in the use of Microsoft Windows. The prospective fellow must have a good command of English including excellent writing skills and must be prepared to work independently on assigned tasks. Only nominations with the complete set of application documents (viz. Application form; Up-to-date Curriculum Vitae, Valid Passport Copy with complete personal identification information; letter of recommendation from applicant's supervisor; Vigilance and Departmental clearance & Annexes of revised guidelines) will be considered. Applicants who have already participated in the above programme previously will not be considered for the course. After attending the course the participant has to submit a report to NACWC.

4. It is further informed that, the 'Revised Guidelines for OPCW sponsored Events' issued and hosted on the NACWC website, must be followed while forwarding the nomination to this office.

Enclosure: As above

Your's Sincerely

  
30/09/19  
Dr Amit Kumar

Technical Officer

Tel. +91-11-24675524

Fax. +91-11-24675767

[Email-dramit.cabsec@gov.in](mailto:Email-dramit.cabsec@gov.in)

To,

1. The Director, Defence Research & Development Establishment (DRDE), Jhansi Road, Gwalior-474002, Madhya Pradesh.

2. Director, National Chemical Laboratory, Dr. Homi Bhabha Road, Pune-411 008, Maharashtra
3. The Director, Institute of Pesticide Formulation Technology (IPFT), Udyog Vihar, Sector-20, Gurugram-122016, Haryana.
4. The Director, Indian Institutes of Technology-Bombay, Powai, Mumbai-400076, Maharashtra.
5. The Director, Indian Institutes of Technology-Delhi, Hauz Khas, New Delhi-110016.
6. The Chancellor, Indian Chemical Technology, Nathalal Parekh Marg, Near Khalsa College, Matunga, Mumbai, Maharashtra 400019.
7. The Director, Indian Institutes of Technology-Guwahati, Dr. Brajendra Nath Raychoudhury Road, IIT Guwahati-781039, Assam
8. The Director, Indian Institute of Technology-Kharagpur, Kharagpur-721302, West Bengal.
9. The Director, Indian Institute of Technology-Madras, IIT Post, Chennai-600036, Tamil Nadu.
10. The Director, Indian Institute of Technology-Roorkee, Roorkee-247667, Uttarakhand.
11. The Director, Indian Institute of Science, Bangalore-560 012, Karnataka.
12. Director, Bose Institute, 93/1, Acharya Prafulla Chandra Road Kolkata-700009 West Bengal.

  
Dr Amit Kumar



S/1783/2019  
12 August 2019  
ENGLISH only

**NOTE BY THE TECHNICAL SECRETARIAT****INVITATION TO APPLY FOR A FELLOWSHIP  
IN GREEN AND SUSTAINABLE CHEMISTRY  
OPCW HEADQUARTERS, THE HAGUE, THE NETHERLANDS  
IN 2019 AND 2020****Purpose of the fellowship**

1. The Technical Secretariat (hereinafter “the Secretariat”) of the Organisation for the Prohibition of Chemical Weapons (OPCW) wishes to invite Member States to nominate participants for a fellowship in the International Cooperation Branch (International Cooperation and Assistance Division) of the OPCW in The Hague, the Netherlands, in 2019 and 2020. The fellowship will involve research and analysis of technical information in the field of green and sustainable chemistry applications in areas of relevance to the Chemical Weapons Convention (hereinafter “the Convention”)—especially in the chemical industry—as it relates to toxic chemicals. It will also involve preparation of a background review paper on best practices and technologies, contribution to presentations and scientific articles on science and technology topics of relevance to the OPCW, editing of papers on the subject of OPCW research projects, and contribution to networking in the field of science and technology and to dissemination activities.

**Description of the fellowship**

2. The fellowship is offered and sponsored by the OPCW as part of its Fellowship Programme, of which the general rules and conditions for participation are described in the Note by the Secretariat S/1279/2015\* (dated 21 May 2015). The rationale for the fellowship stems from the decision “Components of an Agreed Framework for the Full Implementation of Article XI” (C-16/DEC.10, dated 1 December 2011), taken by the Conference of the States Parties at its Sixteenth Session, which calls upon the Secretariat to “cooperate with and advise National Authorities with a view to finding non-toxic chemical substitutes to reduce the risks associated with toxic chemicals as well as to promoting activities from a health, safety, anti-terrorism, and general security point of view”.
3. The fellowship is designed for chemists with relevant practical and theoretical experience in organic chemistry and/or other related fields (for example, biochemistry and chemical engineering). Candidates are expected to have a Master’s or equivalent degree in chemical sciences or engineering, accompanied by an advanced degree (PhD) or five years of relevant experience in the field of science and technology. Candidates must possess excellent scientific communication skills, including drafting

of scientific papers, reports, technology surveys, and so on. Thorough theoretical knowledge of green chemistry and relevant experience is required. Candidates should have good computer skills and be proficient in the use of Microsoft Windows. The prospective fellow must have a good command of English, including excellent writing skills, and must be prepared to work independently on assigned tasks. Knowledge of other OPCW languages is an asset.

4. The fellowship will include the following tasks:

- (a) During the induction, the fellow will be involved in the analysis of literature on alternative products and reaction pathways to substitute the use of highly toxic chemicals, including those scheduled under the Convention, in industrial production processes. The fellow will then contribute to the ongoing work on the preparation of a **survey of best practices and solutions of green/sustainable chemistry applications in chemical industries** involving highly toxic chemicals.
- (b) Under the guidance of OPCW staff, the fellow will assist the Secretariat in the preparation of various documents related to aspects of science and technology, as well as networking and outreach on the subject of green/sustainable chemistry in areas of relevance to the Convention. The fellow will be involved in disseminating knowledge and best practices of the applied green/sustainable chemistry to mitigate risks related to toxic chemicals through external and internal portals and social media, and will contribute to other science and technology products of the International Cooperation Branch, such as newsletters and presentations. The fellow will also contribute to the editing of research papers from OPCW-supported projects.
- (c) The fellowship will provide insight into the OPCW verification regime for chemical industries and other aspects of science and technology that are of relevance to the Convention (such as the destruction of chemical warfare agents, analysis of chemicals scheduled under the Convention, and dual uses of chemicals), as well as into programmes for capacity-building in peaceful applications of chemistry. The fellowship will include a short-term laboratory attachment segment during which the fellow will be exposed to analytical chemistry techniques for chemicals under the Convention regime. The laboratory attachment will take place at the OPCW Laboratory in Rijswijk.

#### **Time and duration**

5. The fellowship will be for a duration of six months in 2019 and 2020. The exact date of commencement will be mutually agreed upon by the selected fellow and the Secretariat.

#### **Financial assistance**

6. The Secretariat will provide tutorship and infrastructure free of charge. The round-trip travel costs and medical insurance will be borne by the OPCW. The selected fellow will also receive a monthly allowance, set at EUR 2,000, to cover basic living costs while in the Netherlands.

### **Eligibility**

7. This programme is open only to citizens of Member States of the OPCW (a list of which is available on the OPCW website). Preference will be given to candidates from Member States with economies that are developing or in transition. The programme is intended for chemists with the requisite academic background and practical experience, including language and computer skills, as indicated above.
8. Female candidates are encouraged to apply.

### **Selection of the candidate**

9. The pre-selection will be performed by the Secretariat. Three shortlisted candidates will then seek the endorsement of the National Authorities of their respective States Parties to the Convention. From the endorsed candidates, the final selection will be made in November 2019. Only one candidate will be selected for the fellowship offered under this programme. Only the successful candidate will be informed by the Secretariat.

### **Application procedure**

10. Interested candidates should submit their applications, which must include the following:
  - (a) an updated curriculum vitae;
  - (b) an essay (not exceeding 300 words) outlining the objectives the candidate wishes to achieve and the type of work experience he or she hopes to acquire during the period of the fellowship;
  - (c) a letter of recommendation from the supervisor of the candidate at the institution where he or she is currently working, indicating how the training will be of benefit to the candidate's present position, institution, and country;
  - (d) a completed OPCW Fellowship Programme application form (attached as the Annex to this Note); and
  - (e) a copy of the candidate's valid passport.
11. The completed OPCW Fellowship Programme application form (except for section 4) should be sent by email ([Rufaro.Kambarami@opcw.org](mailto:Rufaro.Kambarami@opcw.org)) or by post to the following address:

Rufaro Kambarami  
International Cooperation Branch  
OPCW  
Johan de Wittlaan 32  
2517 JR The Hague  
The Netherlands

12. Applications should reach the OPCW by **15 November 2019**. Incomplete applications or those received after the deadline will not be considered. Additional information about the programme may be obtained from Rufaro Kambarami via email ([Rufaro.Kambarami@opcw.org](mailto:Rufaro.Kambarami@opcw.org)).

Annex: Fellowship Programme Application Form

**Annex**

**FELLOWSHIP IN GREEN AND SUSTAINABLE CHEMISTRY  
OPCW HEADQUARTERS, THE HAGUE, THE NETHERLANDS  
IN 2019 AND 2020**

**APPLICATION FORM**

1. This form is to be used to apply for direct OPCW support. Before completing the form, please read the guidelines presented in the accompanying cover Note to confirm your eligibility for financial support for the programme.
2. Applicants should complete sections 1 and 2 of this form, arrange for the endorsements by the home institution in section 3, and then send the form to the OPCW.
3. Shortlisted candidates should send the same application to the respective National Authority with a request to complete section 4. **The respective National Authority should then forward the completed form to the OPCW directly or through the relevant Permanent Representation.**
4. The National Authority or the Permanent Representation should submit the completed form to the International Cooperation Branch, International Cooperation and Assistance Division, OPCW, Johan de Wittlaan 32, 2517 JR The Hague, the Netherlands. The application should be received by the OPCW by **15 November 2019**.

**Please type or use BLOCK LETTERS**

<b>1. PERSONAL INFORMATION</b>			
Family name <sup>1</sup>			
First name(s) <sup>1</sup>			
Date of birth	Day	Month	Year
Nationality			
Address (home)	Street		
	Number	Postcode	
	City		
	Country		
Address (work)	Street		
	Number	Postcode	
	City		
	Country		
Telephone and fax numbers, including country and city codes	Home		
	Work		
	Mobile		
	Fax		

<sup>1</sup> Please give the first and family names exactly as they appear in the nominee's passport.





