

Office of Alumni Affairs & International Relations (AA&IR)
Indian Institute of Technology
Kharagpur – 721 302



REF: 2068/2023/OIR

Dated: 23.11.2023

NOTE

Sub: Approval for the visit of Prof. Hosahalli Ramaswamy from Canada to conduct GIAN course (171001G11) titled 'Post Harvest Management & Food Processing Technologies for Entrepreneurs and Industry Professionals' at IITKGP during December 03-08, 2023.

Prof. Hosahalli Ramaswamy from Canada is scheduled to visit IIT Kharagpur during December 03-08, 2023 to conduct GIAN course (171001G11) titled 'Post Harvest Management & Food Processing Technologies for Entrepreneurs and Industry Professionals'.

The faculty coordinator of his visit is Prof. Hari Niwas Mishra of Agricultural and Food Engineering department (Flag-i). As per the document submitted it is understood that all expenses including his travel, accommodation, food, course/lecture honorarium will be supported by the funds sanctioned for the aforementioned GIAN course (171001G11) vide letter no. IIT/GIAN/S-23/1573 dated 17.10.2023 (Flag-ii & financial approval copy attached Flag-iii).

The supporting documents of the visit are enclosed.

This is placed for your kind consideration and approval of the said visit.

Encl.Flag: (i) Filled-up Ministry Clearance Form

(ii) Issuance of Visa Form

(iii) Copy of Financial Sanction letter

(iv) Passport & OCI copy

Arun K. Roy

Junior IR- Executive

Sanjay K. Verma
Junior Assistant

A may be approved please
S. Chakraborty
23/11/2023

Associate Dean AA&IR

Dean Outreach & AA

Director

(A) approved.
[Signature]
28/11/2023



**Office of Alumni Affairs & International Relations
Indian Institute of Technology
Kharagpur-721302**

**FORM FOR MINISTRY CLEARANCE
GOVERNMENT OF INDIA
FOR VISIT OF FOREIGN NATIONALS TO
INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR, INDIA**

1	Name :	Hosahalli Ramaswamy
2	Nationality :	Canadian
3	Date of birth :	November 13, 1950
4	Place of birth :	Shivamogga, Karnataka, India
5	Number, Date & Place of Issue of Passport :	HG422155; (January 29, 2016, Saint-Laurent)
6	Visa Number (if available)	OCI Card number A1585188 (OCI Card holder)
7	Current residential address :	105 Bedford Baie D'Urfe, Quebec, H9X2Z7
8	Permanent residential address :	105 Bedford Baie D'Urfe, Quebec, H9X2Z7
9.	Profession :	Professor at Department of Food Science and Agricultural Chemistry, McGill University
10.	Place of Employment:	Montreal, Quebec, Canada
11.	Academic Credentials:	PhD 1983
12.	Purpose of visit:	GIAN Course at Department of Agriculture and Food Engineering, IIT Kharagpur
13.	Period of visit:	Nov 29-Dec 12, 2023 (Course Dec 3-8, 2023 at IIT KGP)
14.	Email:	hosahalli.ramaswamy@mcgill.ca
15.	Day time Phone:	+1 5146099587
16.	Address of Indian Embassy where you will be applying for your visa:	NO VISA REQUIRED - OCI (HCI OTTAWA, CANADA)
17.	Coordinator of your visit at IITKGP/Dept :	Prof. Hari Niwas Mishra



Office of Alumni Affairs & International Relations
Indian Institute of Technology
Kharagpur-721302

Request for issuance of visa invitation letter to foreign citizens

Invitee details	
Name of the visitor:	Hosahalli Ramaswamy
Address and contact details:	105 Bedford Baie D'Urfe, Quebec, H9X2Z7; Phone no. +1 5146099587; Email: hosahalli.ramaswamy@mcgill.ca
Citizenship:	Canadian
Date of birth:	November 13, 1950
Organization:	Department of Food Science and Agricultural Chemistry, McGill University
Details of visit	
Host Dept/School/ Centre/ Office:	Agricultural and Food Engineering Department
Activity to be undertaken at IITKGP:	GIAN course (171001G11: Post Harvest Management & Food Processing Technologies for Entrepreneurs and Industry Professionals) scheduled from December 4-8, 2023
Intended duration of stay at IITKGP :	Dec 3-8, 2023.
Support provided by IITKGP (local travel, stay, food, honorarium, any other). Please give details of each type of support with funding source and proof:	Travel, accommodation, food, course/lecture honorarium will be supported by the funds sanctioned for the aforementioned GIAN course vide letter no. IIT/GIAN/S-23/1573 (Dt. 17/10/2023)
Support provided by any other organization incl. personal resources. Please give details and proof:	N/A
Invited by	
Name, affiliation and signature of host:	Prof. Hari Niwas Mishra Emeritus Professor, Agricultural and Food Engineering Department, IIT Kharagpur
Recommended by Registrar/ HoD/ HoS/ HoC/ Dean (as appropriate)	

Please note: Govt. rules will be followed regarding issuance of visa invitation letters

23/11/23
निर्देशावली/HoD
कृषि एवं खाद्य अभियंता विभाग
Agricultural & Food Engg. Dept.
भारतीय प्रौद्योगिकी संस्थान खरगपुर
Indian Institute of Technology Kharagpur

वैश्विक शैक्षणिक नेटवर्क पहल
भारतीय प्रौद्योगिकी संस्थान खड़गपुर
खड़गपुर- ७२१३०२



Global Initiative of Academic Networks
Indian Institute of Technology Kharagpur
Kharagpur - 721302

Professor B. C. Meikap
National Co-coordinator

No.IIT/GIAN/S-23/1573
Date: 17/10/2023

To
The Director
Indian Institute of Technology Kharagpur
Kharagpur - 721 302
West Bengal

Subject: Approval of courses and sanction of funds for implementation of Global Initiative for Academic Networks (GIAN) programme during this financial year.

Sir/Madam,

I am pleased to inform you the GIAN implementation committee has approved the proposals submitted from your Institute/University as detailed in the following table.

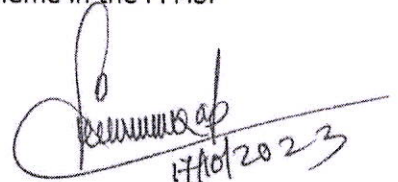
#	Course Info	Start/End Date	Amount allotted (max.)
1	171001G11: Post Harvest Management & Food Processing Technologies for Entrepreneurs and Industry Professionals Foreign Expert: HOSAHALLI S. RAMASWAMY, Canada Coordinator: Prof. H.N Mishra, Agricultural & Food Engineering Department, IIT Kharagpur	04/12/2023 to 08/12/2023	\$8000 (Rs. 6.08 Lakh) (for 29 lectures in 5 days)

**** Rs.6.08 lakhs will be paid if the course is organised in physical (offline) mode. For virtual (online) mode course, Rs. 3.28 lakhs will be paid as advance.**

The validity of this approval order is subjected to fulfilling the following terms and conditions:

1. The amount allocated for each course is the maximum amount and is to be spent for (a) honorarium and travel of one foreign expert/faculty only (b) lecture note preparation (c) video recording of the course (d) contingencies and miscellaneous expenses, if any. A maximum of Rs. 1.5 lakhs (for one week course, 10-14 lectures) and Rs. 2 lakhs for (2 weeks course, 20-28 lectures) can be spent for items (b), (c) and (d) only.
2. The activities in the scheme should be limited to the extents of fund available with the grantee Institution at any given time. The grantee Institution would bear responsibility for any expenditure incurred over and above available grants and the sanctioning authority or MoE would not be liable to reimburse the same, on a routine basis, except as per rules.

3. A statement of expenditure and utilization certificate of the fund released signed by the **appropriate financial authority** should be sent within 30 days after completion of the course. The GIAN implementation Committee will be liberty to blacklist those Institutions, which do not submit the utilization certificate within the prescribed time from any future participation in the GIAN initiative and recommend to MoE for stringent action.
4. Each course should be video recorded and appropriate consent should be obtained from foreign faculty.
5. Institute will ensure that the course coordinator will not violate copyright of anyone knowingly or willingly for the preparation of course material.
6. Institute shall send a course completion report alongwith soft copy of course materials and video recording of the course within 30 days after completion of the course.
7. The account where this fund is kept shall be open to inspection by the sanctioning authority and audit, both by Comptroller and Audit General of India under provision CAG (DPC) act 1971 and internal audit by the Principal Accounts Office of MoE, Dept of Higher education, whenever the grantee is called upon to do so.
8. Institute will advise the Course Coordinator to finalise and upload the course brochure to GIAN portal (www.gian.iitkgp.ac.in) as early as possible for wide publicity. **The sanctioned fund will be released after the submission of utilization certificates for the fund received for all previously completed courses.**
9. The sanctioned fund will be transferred only through Public Fund Management System (PFMS). Institute should register itself as the child organisation of IIT Kharagpur for the GIAN scheme in the PFMS.



17/10/2023

National Co-coordinator
Global Initiative for Academic Networks (GIAN)

Copy to :-

1. Local Coordinator - GIAN, IIT Kharagpur
2. Shri Praveen Kumar, IAS, JS, MoE
3. Ms. Darshana Momaya Dabral, JS & FA, MoE
4. Registrar, IIT Kharagpur - for release of funds
5. Office copy, GIAN, IIT Kharagpur



McGill
UNIVERSITY

Gian
GLOBAL INITIATIVE OF ACADEMIC NETWORKS



Post Harvest Management & Food Processing Technologies for Entrepreneurs and Industry Professionals

Overview

Food processing is essential for reducing food losses and increasing the availability of wholesome and nutritious products to the consumer. In order to do it one must understand why and how the food spoilage occurs, what can be done in order to prevent it, what techniques are available, how they should be used and optimized so that the processed food remains safe, but quality loss is minimized. This optimization is essential to reduce the severity of processing steps that result in destruction of spoilage and pathogenic microorganisms to the essential level that ensures safety, but not necessarily unduly long in order to prevent quality degradation. Understanding these issues can be challenging to students and researchers and can be puzzling/befalling to entrepreneurs and industrial professionals. New and alternative food processing methods &/or novel combinations of existing methods are continually being investigated by the industry in pursuit of producing better quality foods more economically. Food processing industry is continuously expanding to meet the increasing needs of population in general, educated consumers in particular who strives to get not only for safe foods with extended shelf-life but also for the maximum retention of original quality in the processed foods. Traditional methods include thermal processing, freezing and dehydration. Novel thermal processing methods such as agitation/aseptic/thin-profile processing or product acidification to reduce thermal processing severity, and there are novel thermal processing media such as microwave, RF and ohmic heating to promote better quality retention. Further, to protect the quality even better, there are non-thermal or minimal processing techniques through the use of high pressures, pulsed electric field and pulsed light. Advances in conventional drying and freezing techniques are also influenced by novel heating techniques such as MW/RF, combinations of MW and Vacuum, and modified spray or adsorption drying; spiral freezing, twin screw extrusion, ozone treatment etc. are a few examples of successful emerging technologies.

This short course addresses most of these aspects and helps to provide the participants with the needed knowledge and tools for successful implementation of a number of commercial concepts. The course will be delivered by pooling the combined expertise of the Foreign and National Experts, by a combination of lectures, laboratory tutorials, and hands on exercises.

Course participants will

- 1) Get familiarized with fundamentals of post-harvest management and food processing.
- 2) Understand the concepts in thermal, MW/RF, high pressure processing, dehydration, and extrusion processing.
- 3) Be able to establish and optimize novel food processing techniques based on sound scientific principles.
- 4) Be exposed to practical problems and their solutions, through case studies and lab sessions.
- 5) Be prompted for creative thinking, entrepreneurship, and business development.

Dates	December 4-8, 2023 Number of participants for the course will be limited to fifty.
Who should Attend?	<ul style="list-style-type: none">• Food professionals including engineers & technologists from manufacturing, service, and government organizations• Faculty and researchers from universities, colleges, and R&D laboratories.• M. Tech. and PhD research students
Fees	The participation fees for taking the course are as follows: Participants from abroad : US \$ 500 Industry/ Research Organizations : ₹ 30000 (Can send up to 4 participants) Academic Institutions : ₹ 10000 (Can send 2 participants) Individual students/scholars: ₹ 1000 The above fee includes all instructional materials, computer use for tutorials and assignments, laboratory equipment usage charges, 24 h free internet facility. The participants will be provided with accommodation on payment basis.



Dr. Ronit Mandal is an Assistant Professor in the Agricultural and Food Engineering Department, Indian Institute of Technology Kharagpur. He completed his B. Tech in Dairy Technology from West Bengal University of Animal and Fishery Sciences, Kolkata, India. He did his M. Tech. in Food Process Engineering from Indian Institute of Technology Kharagpur in 2018 and obtained PhD from University of British Columbia, Canada on *non-thermal processing of liquid foods* in 2022. Later on, he did his post-doctoral research on *Computational modeling of plant proteins functionality* at Plant Protein Innovation Center, Department of Food Science and Nutrition, University of Minnesota until July 2023. His research interests include novel food processing, physical and biochemical changes in foods during processing, AI/ML applications in food processing, computer-aided food engineering.



Dr. Brajesh Kumar Panda is an Assistant Professor in the Agricultural and Food Engineering Department at the Indian Institute of Technology Kharagpur. He holds a B. Tech in Agricultural Engineering from CAET, OUAT, Odisha, and an M. Tech in Food Process Engineering from IIT Kharagpur, West Bengal. Dr. Panda earned his Ph.D. from IIT Kharagpur, specializing in process development and mechanization in the postharvest processing of cereal grains. Following the completion of his Ph.D., he gained valuable experience as a Post-doctoral Research Associate at the University of South Australia and Lethbridge College, Alberta, Canada. During this time, his research focused on process mechanization, non-destructive quality estimation, and on-farm grain handling and drying. Dr. Panda's research interests encompass process mechanization, product development, grain storage, and handling, and study on the engineering properties of food materials.

Course Co-coordinators

Dr. Ronit Mandal
Phone: 03222-283122
Email: rm@agfe.iitkgp.ac.in

Dr. Brajesh Kumar Panda
Phone: 03222-283124
Email: bkp@agfe.iitkgp.ac.in

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<http://www.gian.iitkgp.ac.in/>

ENDORSEMENTS AND LIMITATIONS
This passport is valid for all countries unless otherwise specified. The bearer must comply with any visa or other entry regulations of the countries to be visited.

SEE OBSERVATIONS BEGINNING ON
PAGE 3 (IF APPLICABLE)

MENTIONS ET RESTRICTIONS
Ce passeport est valable pour tous les pays, sauf indication contraire. Le titulaire doit se conformer aux formalités relatives aux visas ou aux autres formalités d'entrée des pays où il a l'intention de se rendre.

VOIR LES OBSERVATIONS DÉBUTANT À
LA PAGE 5 (ILS CAS ÉCHÉANTS)

Signature of bearer - Signature du titulaire



F F X Y 4 2 1 5 3

Y G 4 2 2 1 5

CANADA



Issuing Country/Pays émetteur
CAN

Passport No./N° de passeport
HG422155

RAMASWAMY

KAPASWAMI
Given names/Prénoms

HOSAHALLI

Nationality/Nationalité

CANADIAN/CANADIENNE

Date of birth/Date de naissance

13 NOV / NOV 50

Sex/Sexe Place of birth/Lieu de naissance
M SHIMOGA IND

Date of Issue/Date de délivrance

29 JAN / JAN 16

Date of expiry/Date d'expiration

29 JAN / JAN 26

Issuing Authority/Autorité de délivrance
SAINT-LAURENT



3

P<CANRAMASWAMY<<HOSAHALLI<<<<<<<<<<<<<<<<<<<

[illegible]



INVITATION LETTER

Date: 29.11.2023

To,
Prof. Hosahalli Ramaswamy
105 Bedford Baie D'Urfe, Quebec,
H9X2Z7.

Subject: Invitation to visit the Indian Institute of Technology Kharagpur during December 03 – 08, 2023.

Dear Prof. Hosahalli Ramaswamy,

IIT Kharagpur is pleased to invite you during December 03 – 08, 2023 to conduct GIAN course (171001G11) titled 'Post Harvest Management & Food Processing Technologies for Entrepreneurs and Industry Professionals'.

We have noted your passport details as follows:

Name: Hosahalli Ramaswamy

Nationality: Canadian

Country of present domicile: Canada

Passport Number: HG422155

Place of Issue of Passport: Saint-Laurent

Issue date of Passport: 29.01.2016

Expiry date of Passport: 29.01.2026

Date of Birth: 13.11.1950

We understand that all expenses towards your travel, accommodation, food, course/lecture honorarium will be supported by the funds sanctioned for the aforementioned GIAN course vide letter no. IIT/GIAN/S-23/1573 dated 17.10.2023. Prof. Hari Niwas Mishra (Email: hnm@agfe.iitkgp.ac.in & Indian contact no.: +91 9434414288) of Agricultural & Food Engineering Department, of our Institute will be the coordinator for your visit. We would be delighted if you accept our invitation and provide your travel plans to Prof. Hari Niwas Mishra.

You may kindly use this invitation to apply for the Indian visa.

I look forward to your positive response. Please feel free to discuss all matters pertaining to your visit with Prof. Hari Niwas Mishra.

With warm regards,



Sincerely,

(Signature)
30/11/2023

Associate Dean AA&IR

CC:

- (1) Office of Registrar, IIT Kharagpur
- (2) Prof. Madan Kumar Jha, HoD-AGFE
- (3) Prof. Hari Niwas Mishra



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