



**DEAKIN UNIVERSITY, AUSTRALIA &  
INDIAN OIL CORPORATION LIMITED  
RESEARCH & DEVELOPMENT CENTRE**

Sector -13, Faridabad 121 007

**NOTIFICATION No. IOC-R&D/DU/2016/PhD/01**

**Invites application for 4 (four) “IndianOil - Deakin Research Fellowships”**

Applications from Indian nationals for “IndianOil – Deakin Research Fellowships” to work in the emerging areas such as Nanotechnology, Lubricant Technology and Tribology are invited under the MOU signed with Deakin University, Australia.

Selected candidates will undertake Research work at IOCL R&D Centre, Faridabad, India under PhD Research programme on a full time basis. The registration at Deakin University (DU), Australia shall commence from July-August 2016. Selected candidates will have to work under supervision of minimum two research guides. The guide from DU is the thesis supervisor (Principal Supervisor) as per DU degree requirements and a guide from IOC R&D (Lead Supervisor) will be overseeing the research in collaboration with the thesis supervisor during the research period in India. Topics for the Ph.D. Programme and eligibility criteria are given below. All selected applicants would be required to register for PhD at Deakin University, Australia and fulfil the requirements for PhD degree.

IOCL would offer a fellowship amount for the period of study in India, which will be 25% more than that offered under CSIR/UGC Research Fellowship scheme (Two years as Junior Research Fellow- JRF and Two Years as Senior Research Fellow – SRF). HRA will be admissible @ 30% of the fellowship amount. IOCL will try to provide hostel accommodation at Faridabad based on availability. No HRA will be admissible if the fellow is availing the hostel facility of IOCL. The PhD scholars will be a part of the IOCL – Deakin Joint Supervision Program. The candidate will get an opportunity to travel to Australia (Deakin University) for at least one period of 6 months during the program duration of 4 years. DU will pay the costs of one return airfare and arrange boarding and lodging for this research visit.

The Fellow will be required to apply for a valid Indian passport, procure required overseas insurance, health insurance, and bear other expenses.

Project intellectual property shall be owned by IOCL. Publications on the inventions arising out of the research projects will require prior approval of IOCL. Research fellows will own copyright in their thesis. Selected candidates will not have any lien for absorption to the services of IOCL.

Interested candidates who meet the eligibility criteria (listed below) should send their applications along with self attested photocopies of their educational qualifications and a one page write up about their interest in applying for this Fellowship in the prescribed proforma available on the website [www.iocl.com/PeopleCareers/job.aspx](http://www.iocl.com/PeopleCareers/job.aspx) or



<http://www.deakin.edu.au/study-at-deakin/scholarships-and-awards/research-degrees/international-scholarships>

**Topic & Eligibility Criteria:**

S. No.	Broad Research Topic	Area	Number of Fellows	Masters in
1	Ionic liquids for Lubricant Applications – Molecular Modeling, Synthesis & Performance Evaluation	Nanotechnology	One (1)	Chemistry
2	Ionic Liquids as dispersants for stabilizing nanomaterials - Molecular Modeling, Synthesis & Performance Evaluation	Nanotechnology	One (1)	Chemistry
3	Study on Lubricant Behaviour of Polyalkyl Glycols	Lubricant Technology	One (1)	Chemistry
4	Energy efficiency through a Tribo-Chemical Model and Validation through Experimentation	Tribology	One (1)	Mechanical Eng.

- Candidates should have completed their Master's degree from a recognized university in India in Chemistry (Organic/ Inorganic/ Physical), Nanotechnology, Mechanical Engineering or Tribology.
- First class in Graduation and Post graduation level (65% or above marks in the final exams or equivalent CGPA).
- Candidates with Chemistry should have valid CSIR/UGC NET-JRF qualification. In case the candidate joins this Fellowship programme he/she won't be able to avail the CSIR/UGC fellowships.
- Since CSIR/UGC do not conduct NET examination for Masters in engineering students, Masters Degree holders in Mechanical Engineering or Tribology can apply directly for the fellowship without NET qualification.
- **Age Limit:** The upper age limit for applying for the award of scholarship in all the advertised disciplines shall be 28 years, which is relaxed up to 5 years in the case of candidates belonging to SC/ ST/ OBC/ PH/ VH and Female Students as per CSIR guidelines.

**INTERVIEWS:**

- Last Date for receiving Applications: **18<sup>th</sup> May, 2016.**
- Shortlisted candidates will be called for Interviews at New Delhi. The exact location for interview will be intimated at a later date. No TA /DA will be paid for attending Interviews. Candidates have to make their own arrangements for stay etc. at New Delhi.
- Information for interviews will be given **only on email**. Candidates have to clearly indicate these details in the enclosed Application form.



- Completed typed/ computer printed application forms along with Biodata should be sent to the following address

**Ms. Gayathri Vedanarayanan**

Manager – Research Partnerships (India)

Deakin University, Australia

Unit 203, Square One, Saket District Place, Saket, New Delhi - 110017

E-mail: [gayathri.v@deakin.edu.au](mailto:gayathri.v@deakin.edu.au) |

With intimation at following Email address: Dr. M.I.S. Sastry; [sastrymis@indianoil.in](mailto:sastrymis@indianoil.in)

Mere fulfilling of the minimum requirements stipulated in the notification would not automatically entitle a person to be called for the interview. The decision of the Centre in regard to the candidates to be called for interview shall be final. Canvassing in any form and / or bringing in any influence, political or otherwise, will be treated as disqualification.