



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

Sector -13, Faridabad 121 007

NOTIFICATION No. IOC-R&D/DU/2017/PhD/01

**Invites application for 2 (Two) “IndianOil - Deakin Research Fellowships” and
2(Two) “IOC-DBT-Deakin Fellowships”**

Applications from Indian nationals for “IndianOil – Deakin Research Fellowships” to work in the areas such as Lubricant Technology and Tribology and for “IOC-DBT-Deakin Fellowships” to work in Biotechnology area 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. 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 a 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 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 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	Study on Lubricant Behaviour of Polyalkyl Glycols	Lubricant Technology	One (1)	Chemistry
2	Energy efficiency through a Tribo-Chemical Model and Validation through Experimentation	Tribology	One (1)	Mechanical Eng. Or Tribology
3	Development of advanced Thraustochytrid strains by manipulating DHA and lipid synthesis pathway by molecular interventions for higher DHA/EPA	Biotechnology	One (1)	Biotechnology Microbiology Biochemistry M.Tech in Biotechnology
4	Enhanced ethanol production/ selectivity by controlling metabolic flux in consolidated bioprocess	Biotechnology	One (1)	Biotechnology Microbiology Biochemistry M.Tech in Biotechnology

- Candidates should have completed their Master's degree from a recognized university in India in Chemistry (Organic/ Inorganic/ Physical/ Analytical) for Lubricant Technology area; in Mechanical Engineering or Tribology for Tribology area; in Biotechnology, Biochemistry, and Microbiology for Biotechnology area. The candidates should have completed all the requirements for the fulfilment of the award of Master's Degree by 31st July, 2017 including Master's Thesis.
- First class in Graduation and Post graduation level (65% or above marks in the final exams or equivalent CGPA).
- Candidates with Chemistry, Biochemistry, Biotechnology, and Microbiology 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 and Biotechnology can apply directly for the fellowship without NET qualification.
- As per Deakin admission rules, the candidates should clear English proficiency tests to get admission to Deakin University. Candidates with eligible English Proficient Scores (i.e. TOEFL/ IELTS/ CPE/ CAE/ PTE or OET) will be preferred. **For IELTS an overall band of 6.5 with no band less than 6.0 is required.**
- **Age Limit:** The upper age limit for applying for the award of scholarship in all the advertised disciplines shall be **28 years as on 30th April 2017**, 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: **15th November 2017.**
- Shortlisted candidates will be called for Interviews at New Delhi/ Faridabad. 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/ Faridabad.
- Information for interviews will be given **only on e-mail**. Candidates have to clearly indicate these details in the enclosed Application form.
- Completed typed/ computer printed application forms along with Bio-data 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 |

With intimation at following E-mail address: Dr. M.I.S. Sastry; 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.