

***Jadavpur University***  
***Faculty of Interdisciplinary Studies, Law & Management***  
**Admission to the Ph.D. Programme**  
**Session: January - June, 2022**

Date: 17 May, 2022

Applications are invited from **Indian nationals** for admission to the Ph.D. programme in the School of Advanced Studies in Industrial Pollution Control Engg., School of Water Resources Engineering, School of Natural Products Studies, School of Mobile Computing & communication, School of Nuclear Studies & Application, School of Oceanographic Studies, School of Environmental Studies, School of Languages & Linguistics, School of Cognitive Science, School of Materials Science & Nanotechnology, School of Laser Science & Engineering, School of International Relation and Strategic Studies, School of Bioscience & Engineering and Dept. of Adult, Continuing Education & Extension.

For eligibility criteria and other details related to Ph.D click on [http://www.jaduniv.edu.in/upload\\_files/scroll\\_info/1496906302.pdf](http://www.jaduniv.edu.in/upload_files/scroll_info/1496906302.pdf)

**Note: 1. All applicants must have completed results of 2-Year MA/M.Sc/M.E or equivalent degree from any university/institute recognized by the UGC.**

**2. Applicants who have obtained an MA/M.Sc/M.E or equivalent degree of less than two (2) years' duration, must have completed at least a total of five (5) years of undergraduate and post-graduate study in a recognized university/institute.**

**Process of Application:**

- Candidates should apply in the prescribed form available on the website. [www.jaduniv.edu.in](http://www.jaduniv.edu.in).
- Candidates have to pay the application fees Rs. 500/- (Per Subject) online through SBI Collect System using Credit Card/Debit Card/Net Banking.
- After payment, the downloaded form is **to be submitted on and from 17<sup>th</sup> May, 2022 to 3<sup>rd</sup> June, 2022 (11:30 a.m. to 4:30 p.m.)**, along with an online payment receipt and all testimonials to the Office of the Dean & Secretary, Faculty of Interdisciplinary Studies, Law & Management, 1<sup>st</sup> Floor of School of Oceanographic Studies Building (Opposite to University Press), Jadavpur University Main campus, Kolkata 700032.
- **The last date for online payment is 2<sup>nd</sup> June, 2022.**
- **The last date for submission of the application form is 3<sup>rd</sup> June, 2022 (4:30 p.m.)**

**The following documents should be attached with the application form:**

- i)* Two recent passport-size photographs.
- ii)* Attested copies of all mark sheets and certificates, Madhyamik admit card/certificate for verification of age, SC/ST/ OBC-A/OBC-B /PD certificate, where applicable.
- iii)* NET/SET/GATE certificate, if any.
- iv)* A candidate who has a two-year M.Phil. Degree from any university other than Jadavpur University will be required to submit a certificate from the competent authority stating that the selection to the M.Phil course has been made through a written test and that a full paper on

- Research Methodology of at least one semester duration was taught in the M.Phil course.  
*Otherwise, waiver from WRET and/or course-work shall **not** be granted.*
- v) Online payment receipt downloaded from SBI server after online payment.

**Candidates will be selected through a Written test (WRET) and Viva-Voce/Presentation.**

\* The candidate who has an M.Phil (Regular two year course) degree and was admitted to the M.Phil programme through a written test, or has qualified NET/SET/GATE shall be entitled to get exemption from the written admission test and shall be called directly for an interview.

\* **A candidate who has a two-years M.Phil degree from any university other than Jadavpur University must submit a certificate from the competent authority stating that the selection to the M.Phil course has been made through a written test and that a full paper on Research Methodology of at least one semester duration was taught in the M.Phil course.**

**Proper documents must be attached with applications for exemptions from written admission test subject to the above conditions.**

***Tentative vacancy:***

<b>Name of the School/ Dept.</b>	<b>Total Vacancy</b>	<b>Area of the Research Field</b>
School of Advanced Studies in Industrial Pollution Control Engg.	<b>Up to 4</b> [Gen: 2, SC: 1, ST: 1]	M.E/M.Tech degree in Chemical Engineering/ Chemical Technology/ Polymer Engineering/Polymer Technology/ Nano-Technology/Nano-Science & Technology or, M.Sc. degree in Environmental Science./ Life Science
School of Water Resources Engineering	<b>Up to 11</b> [Gen: 5, SC: 2, ST: 1, OBC – A: 1, OBC-B: 1, PD- 1]	Water Resources Engineering, Water Resources & Hydraulic Engineering, Hydropower, Bioactive peptides, biowaste, recycling, food products, supplementary foods, anticancer, biological applications, pomegranate peel, silver nanoparticles, green synthesis, antioxidant
School of Natural Products Studies	<b>Up to 3</b> [Gen: 2, SC: 1]	Sensors, NIR Spectroscopy, Nutraceuticals and Phytopharmacology
School of Mobile Computing & communication	<b>Up to 2</b> [Gen: 1, SC: 1]	Machine Learning, Pattern Recognition, Deep Learning, Image Processing and Big Data Analytics
School of Nuclear Studies & Application	<b>Up to 4</b> [Gen: 2, SC: 1, ST: 1]	Reactor Thermal Hydraulics, Fluids Mechanics, Heat and Mass Transfer, Severe Accidents And Spray atomization, Combustion, Computational fluid dynamics, Cyber-Physical Systems
School of Oceanographic Studies	<b>Up to 3</b> [Gen: 2, SC: 1]	Biogeochemical dynamics of estuarine and coastal regions and Coastal Geomorphology, Integrated

		Coastal Zone Management, Climate adaptation and migration, Disaster Management					
School of Environmental Studies	<b>Up to 4</b> [Gen: 2, SC: 1, ST: 1]	Biological Science with specialization in Zoology/Botany and having work experience in water research with special reference to groundwater contaminants and Urban Studies & Climate, Urban Heat Island mitigation strategies					
School of Languages & Linguistics	<b>Up to 2</b> [Gen: 1, SC: 1]	Phonetics, Phonology, Computational Linguistics					
School of Cognitive Science	<b>Up to 1</b> [SC: 1]	Cognitive Neuroscience					
School of Materials Science and Nanotechnology	<b>Up to 8</b> [Gen: 4, SC: 2, ST: 1, OBC – A: 1]	<b>Qualifying Degree:</b> M.E. / M.Tech. in Nanoscience and Technology / Civil Engineering or M.Sc. in Physics (Biophysics specialization) / Botany / Plant Chemistry / Food Technology / Food and Nutrition. <b>Research Areas:</b> Nutraceutical, functional food, purification and application of functional components / Lifestyle disease prevention/ Application of nanoparticles in food, Cell biology, Nanoformulation development, Quantum dot synthesis and characterization, Supercapacitor and Dielectric properties of different materials, Building & Construction Material, Abrasive hard material, Smart material.					
School of Laser Science & Engineering	<b>Up to 2</b> [Gen: 1, SC: 1]	Laser Beam Machining or Welding and Laser Welding, Laser Micro Machining, Laser-Based Additive Manufacturing					
School of International Relations and Strategic Studies	<b>Up to 2</b> [Gen: 1, SC: 1]	The Asia Pacific & Central Asia					
School of Bioscience and Engineering	<b>Up to 1</b> [SC: 1]	Development of rehabilitation protocol using principles of biomechanics					
Dept. of Adult, Continuing Edn. & Ext.	<b>Up to 20</b>						
	<b>Gen</b>	<b>SC</b>	<b>ST</b>	<b>OBC-A</b>	<b>OBC-B</b>	<b>PD</b>	
	4	2	0	1	0	1	Journalism & Mass Communication

	4	1	1	1	1	0	Engineering (Mechanical/Mechatronics)
	3	1	0	0	0	0	Engineering (Mechanical/Automobile)

vi) As per circular Nos. BC-16014/1/82-SC dt.06/08/1984 & BCD-1, D.O.12017/11/89-SCD(R.CELL) dt.09/01/1990 and letter No.1510-SCW dt.31/05/2007 of the Government of West Bengal, the Scheduled Castes/ the Scheduled Tribes of the states other than West Bengal are not entitled to get the benefit of reserved quota in educational institutions in West Bengal unless they can produce Domicile Certificate as a proof for residing in West Bengal for at least 10 years issued by the [competent authority](#).

- A Candidate applying for a seat reserved for the OBC-A / OBC-B category (wherever applicable) must produce an OBC certificate (the **issues date of which should not be earlier than May 2021**) issued by the competent authority that clearly indicates (i) the category (A or B) he/she belongs to: (ii) that he/she does not belong to creamy layer of the society. Without submission of such an appropriate certificate, the applicant shall NOT be considered for seats reserved for OBC-A / OBC-B category.

As per the rules of the Government of West Bengal, the OBC-A and OBC-B candidates of the states other than West Bengal are not entitled to get the benefit of reserved quota in educational institutions in West Bengal unless they can produce Domicile Certificate as a proof for residing in West Bengal for at least 10 years issued by the [competent authority](#).

vii) M.Phil students of Jadavpur University who have successfully defended their viva-voce examinations and have valid Continuing UGC Fellowship (GATE/NET-JRF/RGNF/Moulana Azad and the like) may also apply. They may be considered under Continuing Fellowship Holder category provided they have *not* registered themselves in any other university/Institute after completing their M.Phil degrees at Jadavpur University. The gap period between the date of publication of Final M.Phil result and registration/enrollment in the Ph.D. programme (if selected) must NOT be more than one year.

- An applicant shall **not** be considered for admission if s/he is already enrolled in a Ph.D. programme in any other university/institute or in any other department of Jadavpur University.

- The candidates are advised to note the following schedule.

- Dates for submission of applications: 17<sup>th</sup> May, 2022 to 3<sup>rd</sup> June, 2022.
- List of eligible candidates for written test (online/offline) and date & time of written admission test & direct interview will be displayed at Jadavpur University website, shortly.

All Applicants must bring a Statement of Purpose (relevant for his/her intended field of research, not more than 500 words) at the time of the interview.

The candidates are advised to consult the University website for Ph.D. regulation 2017 before applying for Ph.D. Programme.

**Secretary**  
**Faculty of I.S.L.M, Jadavpur University**