

Jadavpur University
Faculty of Interdisciplinary Studies, Law & Management

Admission to the Ph.D Programme
Session: 2021-2022

Date: 12th June, 2021

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 Illumination Sc. Engg. & Design, School of Mobile Computing & communication, School of Bioscience & Engineering, School of Energy Studies, School of Laser Science & Engineering, School of Nuclear Studies & Application, School of Oceanographic Studies, School of Environmental Studies, School of Women's Studies, School of Languages & Linguistics, School of Cognitive Science and Dept. of Adult, Continuing Education. & Extension.

For JU PhD Rules and Regulations, please click on:

http://www.jaduniv.edu.in/upload_files/scroll_info/1496906302.pdf

Note: 1] All applicants must have possessed at least 2-Year M.A./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 under-graduate 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. (Available from 14th June 2021)**
- **Candidates have to pay the application fees Rs. 500/- (Per Subject) online through SBI Collect System using Credit Card/Debit Card/Net Banking. (Payment link to be accessed on & from 15th June 2021)**

Payment Link: <https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=643164>

- **After payment, the scanned copy of the downloaded form is to be submitted on and from 16th June, 2021 to 30th June, 2021 along with an online payment receipt and all testimonials to the following email ID: phdfism@jadavpuruniversity.in Proper legible scanned copies of the following documents are to be uploaded along with the application. **In any such case of multiple pages, the same should be scanned as a single pdf file (maximum 10 MB size is allowed).****
- **All online applicants will have to undergo the physical document verification process subsequently on a later date in the office of the Dean & Secretary, Faculty of Interdisciplinary Studies, Law & Management, 1st Floor of School of Oceanographic Studies Building (Opposite**

to University Press), Jadavpur University Main campus, Kolkata 700032., to be notified in due time by the university. All selections will be provisional and may be cancelled at any point of time if the candidate is found to have not fulfilled any of the required criteria.

● **The last date for online payment is 29th June, 2021.**

● **The last date for submission of form is 30th June, 2021.**

● **The following documents should be attached / uploaded 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/On-line Test and/or course-work shall **not** be granted.*
- v) Online payment receipt be downloaded from SBI server after online payment.

● **Candidates will be selected through a Written Test/On-line Test and Viva-Voce/Presentation/Interview (On-line/Off-line). The modalities of selection will be notified at a later date through the University website (<http://www.jaduniv.edu.in/>). Candidates are requested to follow website notifications from time to time in this regard.**

* The candidates who have M.Phil (Regular two year course) degree and were admitted to the M.Phil programme through a written test, or have qualified NET/SET/GATE shall be entitled to get exemption from written admission test / On-line Test and shall be called directly for an interview..

* The candidates who have 2-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/uploaded with the applications for exemptions from written admission test / on-line test subject to the above conditions.

Tentative vacancy:

Name of the School/ Dept.	Vacancy	Areas of the Research Field
School of Advanced Studies in Industrial Pollution Control Engg.	Upto 6 [Gen: 4, SC: 1, OBC – A: 1]	M.E/M.Tech in Chemical Engineering/ Biotechnology/ Bioprocess Engineering/ Environmental Engineering or, M.Sc. In Chemistry/Environmental Science/Biotechnology/Microbiology/Biochemistry or, M.E/M.Tech degree in Water Resource & Hydraulics Engineering /Civil Engineering
School of Water Resources Engineering	Upto 15 [Gen: 7, SC: 3, ST: 1, OBC – A: 2, OBC-B: 1, PWD: 1]	<ul style="list-style-type: none"> ● Advanced Water & Waste water treatment technologies ● Digitization of the water industry ● Waste Management using recycled materials ● Stilling Basin, Sediment Transport & Bank Erosion, Groundwater ● Seawater Intrusion ● Hydraulics & Sediment Transport ● Groundwater modeling, GIS Application in Water resources Engineering, Water Quality modeling, Water Treatment ● Environmental Engineering and Management
School of Natural Products Studies	Upto 3 [Gen: 2, SC: 1]	Metabolomics study or, Marker analysis and quality evaluation of Medicinal Plants or, Bio prospecting of Natural Products or, Traditional Medicine Inspired Drug Discovery & development, or, Translation research or, Quality related safety issues of Medicinal plants or, Scientific evaluation, validation and Documentation of Traditional Medicine
School of Illumination Sc. Engg. & Design	Upto 2 [Gen: 2]	Illumination System Management
School of Mobile Computing & communication	Upto 2 [Gen: 2]	Wireless Sensor Network, Pervasive and Distributed Systems, Internet of things, Data analytics
School of Bioscience & Engineering	Upto 1 [Gen: 1]	Bioremediation/evaluation of therapeutic activity of natural product in-vitro and in-vivo /fabrication & evaluation of new biomaterials in the animal model and in-silico evaluation of all the topics stated beforehand.
School of Energy Studies	Upto 2 [Gen: 2]	Solar Energy and Advanced Solar Cell Materials.
School of Laser Science & Engineering	Upto 3 [Gen: 2, SC: 1]	Composites, FGM, Laser Machining

School of Nuclear Studies & Application	Upto 5 [Gen: 3, SC: 1, OBC – A: 1]	Reactor Control, Detectors and Signal Processing, Embedded Systems or, Reactor Thermal hydraulics, Fluid Mechanics, Heat Transfer, Severe Accidents or, Thermal Engineering (CFD application, Combustion, Energy)
School of Oceanographic Studies	Upto 4 [Gen: 3, SC: 1]	Sharks (in the Ganga Delta estuary): Population dynamics, Feeding Ecology, Heavy metals in Shark tissue in the Sundarban or, Water quality monitoring and bio-geochemistry of aquatic column and sediments with special emphasis on rivers, estuaries and wetlands.
School of Environmental Studies	Upto 8 [Gen: 4, SC: 2, OBC – A: 1 OBC-B: 1]	<ul style="list-style-type: none"> ● Environmental Biotechnology ● Environmental Issues with special reference to groundwater ● Environmental Biogeochemistry ● Environmental Engineering & Science ● Environmental Engineering & Management ● Working knowledge in air microbiology and air pollution monitoring ● Urban Microclimate & Urban Heat Island Studies ● Sustainability, Building & Climate Change, Environment & Landscape, Cultural Landscape etc.
School of Women's Studies	Upto 6 [Gen: 4, SC: 1, OBC – A: 1]	Gender History, Gender and Performance, Cultural Studies or, Gender, Microfinance, Industrial Organization or, European Socialist Movement/Russian and Soviet Studies/ Radial Politics in India/ Social History of Science and Technology/ Gender Studies or, Women's writing in colonial India; Women's movements in India; Dalit and Adivasi issues in colonial and post-colonial India.
School of languages & Linguistics	Upto 2 [Gen: 2]	Linguistics or, Phonetics, Phonology, and Speech Processing in Computational Linguistics
School of Cognitive Science	Upto 2 [Gen: 2]	<ul style="list-style-type: none"> ● Neurobiology of language. ● Cognitive Science
School of Materials Science and Nanotechnology	Upto 1 [Gen: 1]	Masters in Food and Nutrition
Dept. of Adult, Continuing Edn. & Ext.	Upto 3 [Gen: 2, SC: 1]	Mechanical Engineering

- 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 seat reserved for the OBC-A / OBC-B category (wherever applicable) must produce valid OBC certificate (*the date of issue of the certificate should not be earlier than June 2020*) 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 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.

- M.Phil students of Jadavpur University who have successfully defended their viva-voce examinations and have valid Continuing UGC Fellowship /GATE/NET-JRF/RGNF/MANF and other Govt. Fellowship for Doctoral Research 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: 16th June, 2021 to 30th June, 2021.
- List of eligible candidates for Written Test/On-line Test and Date & Time of Written Test/On-line Test & Viva-Voce/Presentation/Interview (On-line/Off-line) will be displayed at Jadavpur University website in due time.

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 interview.

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

Secretary
Faculty of Interdisciplinary Studies, Law & Management
Jadavpur University

Dean
Faculty of Interdisciplinary Studies, Law & Management
Jadavpur University