



Central Institute of Fisheries Education

(Deemed to-be University)

(Indian Council of Agricultural Research)

Panch Marg, Off Yari Road, Versova, Mumbai - 400 061

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Application for ICAR - Post Doctoral Fellowship (ICAR-PDF)

(LAST DATE TO RECEIVE THE APPLICATION: July 16, 2021)

1. Name and Designation of the Applicant:

2. Father's Name:

3. Address:

4. Contact Telephone No. and E-mail:

5. Date and Place of Birth:

6. Academic & Professional Qualifications :

Recent
Photograph

S.No.	Degree/Diploma	Year	Major field	University/ Institution	Division/ Distinction
1	Graduation				
2	Masters				
3	Doctoral				
4	Any other Degree/Diploma				
5	Post-doctoral				

7. Employment Status :

S. No.	Designation	Pay scale (Rs.)	Nature of work	University/Institution	Period (From-To)
1					
2					
3					

8. Details of Training in India and/or Abroad :

S.No.	Training	Institution/Country	Sponsored by	Duration	Subject
1					
2					

9. Details of the Research Projects handled:

S.No.	Name of the Project	Funding agency	Duration and amount	PI/Co-PI/ Associate
1				
2				

10. Achievements :

(a) Research and Extension

S. No.	Item*	Details in quantifiable terms. (Indicate whether applicant is a Developer, Co-developer or Associate)
1.	Product/Patent/ Variety/ Software, etc. developed	
2.	New Concept / Methodology/ Process/ Model developed	
3.	Advancement in Science/Technologies generated and its potential value/ Impact in Fisheries Sciences	

**Documentary evidence should be enclosed for the patents/ copyright, adoption of products and technologies and their impact on livelihood of farmers/commercial value and acceptance by clients/stakeholders, etc.*

(b) Teaching

S.No.	Item	Detail	Year (s)
1.	Courses taught and number of classes taken in each course		
2.	M.Sc./Ph.D. Students Guided as Chairman		
3.	New Course(s) introduced or course(s) revised /Design of innovative course curriculum		
4.	Success of students (in terms of their recognition for medals/awards)		
5.	Books/Book chapters/Review paper/Manuals/Bulletins/ Quality reference material/Conference papers, etc.		
6.	Organization of Training/Summer or Winter School		

(c) Please state the most significant achievements in bullet form (Not more than 300 words) :

11. (i). h-index and i-10 index:

(ii). List of Publications (having NAAS Score of >6.0):

S. No.	Name of Authors	Year of publication	Title of paper	Journal, Volume, Issue, page nos.	NAAS Journal ID (2019)	NAAS Score (2019)	Number of citations based on ISI Science Citation Index
1.							
2.							
3.							

12. Awards and Honours received:

S. No.	Name of the Awards/ Honours	Year	National/ International	Academy/ Institutional/ Professional Society
1.				
2.				
3.				

13. Proposed Research plan (highlight the objectives, outline of the proposed research work and its utility to the parent Institute):

14. Whether a consent letter of approval of research plan from the mentor from CIFE, Mumbai including a declaration regarding availability of adequate infrastructural facilities and equipment's to execute the work plan is enclosed? : **Yes/No**

15. Any other information:

This is certified that all the information furnished by me is correct to the best of my knowledge and belief.

Place:

Date:

(Signature of Applicant)

Endorsement by the Director of ICAR Institute/Vice-Chancellor of Agricultural University under the ICAR-AU system in support of the proposed research work plan:

“Certified that the information given by the candidate in this application has been verified and fully authenticated and that there are no disciplinary actions or proceedings pending or contemplated against the candidate”.

Signature & Seal

Enclosures:

1. Application in original duly forwarded and complete in all respect
2. One set of reprints of 5 most important publications
3. Documentary proof for all the claims made in the application

Marking Scheme for evaluation of applications

Allocation of marks for different criteria (Total 100 marks)

S.No.	Criteria	Marks
1	Significant research achievements in terms of New Concept / Methodology/ Process/ Model, Products, Technology, patents, variety, Copyrighted software/trademark/IP protection, etc.*	30
2	Quality of research proposal	10
3	Significant teaching achievements	10
4	Research Publications	30
5	Books, manuals, bulletins, quality reference material	5
6	Awards and Honors	5
7	Overall candidature	10
Weightage: 80% for achievements in research, teaching, academics, etc. & 20% for Interview		

Products, variety, patents and methodology, technology, etc. developed* (30 marks)

- (i) Developer of each commercialized product/technology/ each plant variety Gazette Notified by the CVRRC/ animal, fish, bird breed (strain) authenticated by accredited body (national level) (5 marks each).
- (ii) Copyrighted software/trademark/IP protection, etc. (5 marks each)
- (iii) Patents granted with details of Patent Number (5 marks for each patent).
- (iv) New Concept / Methodology/ Process/ Model developed and its impact in agricultural sciences (5 marks each)

*Developer (one) shall be awarded 100% marks, Co-developers (max. two) 75% marks and associates 50% marks.

Teaching achievements (10 marks)

- (i) Courses taught and number of classes taken in each course (5 marks, if taken at least 50 classes in a year for 5 years).
- (ii) M.Sc. /M.Tech/Ph.D. Students Guided as Chairman (1.0 mark for M.Sc./M.Tech. and 2.0 mark for each Ph.D. student guidance as Chairman).
- (iii) New Course(s) introduced or course(s) revised /Design of innovative course curriculum (0.50 mark each activity).
- (iv) Success of students in terms of their *Selection in ARS, Medals, Awards etc.* (0.5 mark each).
- (v) Organization of Training/Summer or Winter School (0.5 mark each).

Publications (35 marks)

- (i) Marks will be given according to the NAAS score of Journals (NAAS Score 20 = 10 marks). Each publication will be given a maximum of 10 marks with a cap of maximum 30 marks. *Attach one set of reprints of the 5 most important publications listed in the application.*
- (ii) First author and Corresponding author will get full marks in a publication and rest of the authors 75% marks.
- (iii) Books/book chapters/review paper/Manuals/Bulletins/ Quality reference material/Conference papers, etc. (0.5 mark each).

Awards and Honors (5 marks)

- (i) Awards by ICAR, CSIR, DST, DBT, NRDC, National Science Academies, etc. (2.5 marks each).
- (ii) National and International level Professional Society and Academy (not covered above) Awards/Recognition/Office bearers positions (1 mark each).

Eligibility Criteria:

1. The applicant should be an Indian citizen.
2. The candidate must have obtained Ph.D. degree (with course work) from a recognized University and should be working (in service) in an institution under ICAR-AU System.
3. He/she should have completed minimum three years of service (including clearance of probation) in regular capacity as a Scientist or equivalent in ICAR-AUs system working in any area of Teaching/Research/Extension.
4. The upper age limit for the fellowship is 40 years on the last date of submission of application. Age relaxation of five years will be given to candidates belonging to SC/ST/OBC/Physically Challenged and Women candidates.
5. ICAR-PDF can be availed only once by a candidate in his/her career.
6. The selected fellows are not allowed to work with their Ph.D. Guides/Co-guides.
7. Mentor must hold a regular academic/research position in concerned ICAR-DU having a Ph.D. degree and should be a faculty member.
8. The mentor must have a minimum of 10 years of service experience in the relevant area of work with the experience of guiding minimum of 2 Ph. D. students.
9. A Mentor shall not have more than two ICAR-PDF fellows at any given time.
10. The candidates of ICAR-DUs are not eligible to apply for Post-Doctoral Fellowship in the same ICAR-DU.

Guidelines
For ICAR Post- Doctoral Fellowship (ICAR-PDF)



(2020-21)

INDIAN COUNCIL OF AGRICULTURAL RESEARCH
EDUCATION DIVISION
KRISHI ANUSANDHAN BHAVAN II
NEW DELHI 110 012

Guidelines for ICAR Post- Doctoral Fellowship (ICAR-PDF)

The ICAR Post- Doctoral Fellowship (ICAR-PDF) is a new programme approved under the ongoing 'Strengthening and Development of Higher Agricultural Education in India' Scheme of Agricultural Education Division (ICAR) to support the bright and talented researchers to pursue Post- Doctoral programme to build capacity in frontier areas of national interest in Agriculture and Allied Sciences.

1. Objectives

- 1.1 Identify and support motivated young researchers for conducting research in frontier areas of agriculture and allied sciences to build the national capacity.
- 1.2 Provide them a platform to develop as an independent researcher capable of initiating a new programme in nationally important priority areas under the supervision of a mentor.

2. Number of Fellowships

Ten per year for ICAR-IARI Pusa, New Delhi and five each per year for ICAR-IVRI Izatnagar, ICAR-NDRI Karnal & ICAR-CIFE, Mumbai respectively.

3. Eligibility Criteria

- 3.1 The applicant should be an Indian Citizen.
- 3.2 The candidate must have obtained Ph.D. degree (with course work) from a recognized University and should be working (in service) in an institution under ICAR-AU System.
- 3.3 He/she should have completed minimum three years of service (including clearance of probation) in regular capacity as a Scientist or equivalent in ICAR-AUs system working in any area of Teaching/Research/Extension.
- 3.4 The upper age limit for the fellowship is 40 years on the last date of submission of application. Age relaxation of five years will be given to candidates belonging to SC/ST/OBC/Physically Challenged and Women candidates.
- 3.5 ICAR-PDF can be availed only once by a candidate in his/her career.
- 3.6 The selected fellows are not allowed to work with their Ph.D. guides/Co-guides.
- 3.7 Mentor must hold a regular academic/research position in concerned ICAR-DU having a Ph.D. degree and should be a faculty member.
- 3.8 The mentor must have a minimum of 10 years of service experience in the relevant area of work with the experience of guiding minimum of 2 Ph. D. students.
- 3.9 A Mentor shall not have more than two ICAR-PDF fellows at any given time.
- 3.10 The candidates of ICAR-DUs are not eligible to apply for Post-Doctoral Fellowship in the same ICAR-DU.

4. Mode of Application & Selection

- 4.1 The application shall be invited by the concerned ICAR-DU once in a calendar year.
- 4.2 The host institutes shall identify the research areas, mentors and laboratories where the PDF will work. The thrust areas for research are required to be notified at the time of advertising the PDF slots.
- 4.3 The applicant shall highlight the objectives, outline of the proposed research work and its utility to the parent Institute.
- 4.4 Along with application, the applicants must furnish a letter of approval of research plan from the mentor including a declaration regarding availability of adequate infrastructural facilities and equipments to execute the work plan. The work plan should be endorsed by the respective Director of ICAR Institute/Vice-Chancellor of Agricultural University under the ICAR-AU system.
- 4.5 Each Mentor will give maximum of two consent letters for each cycle/calendar year.
- 4.6 The selection will be based on screening and recommendations by a Selection Committee comprising of the following:
- | | |
|--|------------------|
| <i>i. Director of the concerned ICAR-DU</i> | Chairman |
| <i>ii. Joint Director Research or equivalent of the concerned DU</i> | Member |
| <i>iii. DDG (Agril. Edn.) or his representative</i> | Member |
| <i>iv. Two Subject Matter Specialists (not below the rank of Prof./ Prin. Sci.) from outside the host institute.</i> | Member |
| <i>v. Joint Director (Academic) or equivalent</i> | Member Secretary |
- 4.7 The candidates will be evaluated based on parameters/weighted scale by taking into account the relevance of the area of study, the proposed research plan, academic records, achievements and their past work experience. The applicants will be called for personal interview/presentation of research plan by the Selection Committee.
- 4.8 Once selected, the candidate must register for the programme as per the schedule, date and time intimated by the respective ICAR- DU. In case of delay, the offer will get terminated automatically and no separate communication towards cancellation will be issued. At time of joining he/she has to give an undertaking as per the format at **Appendix-1**.
- 4.9 During the programme, the awardees shall not hold any other responsibility/post/position/work and need to devote his/her full time for the proposed research work.

5. Nature & Duration of Support

- 5.1 The fellowship is purely a temporary assignment and is tenable for a period of one year.
- 5.2 The host institution should provide necessary administrative, infrastructural and laboratory facility support to the awardees. In case, suitable accommodation is not available at the host institution, awardees shall have to make their own arrangements in this regard.

6. Amount and Terms of Fellowship

- 6.1 The fellows will be entitled to receive the grants through concerned ICAR-DUs as under:

Budget Head	Amount
Fellowship	Rs. 75,000/- per month (consolidated)
Research Grant	Rs. 2,00,000/-

- 6.2 The fellowship amount (Rs.75,000/- p.m. consolidated) would be over and above the salary amount received by the awardees and the amount would be taxable as per the Govt. of India rules.
- 6.3 The research grant can be used for the purchase of minor equipments, consumables, contingencies and domestic travel. There is no provision for providing contractual manpower (RA/SRF/YP) support under this scheme. The expenditure on purchases of minor equipments, consumables, contingencies and domestic travel, shall be incurred after following codal formalities and within the ambit of relevant rules.
- 6.4 The fellowship along with research grant will be released in two instalments.
- 6.5 The fellows are not eligible to receive any other fellowship from any Government or Non-Governmental source during the tenure of the fellowship.
- 6.6 The fellow has to serve the sponsoring institution at least for one year after completion of PDF and to this effect he/she has to execute a bond (specimen of bond at **Appendix-2**) compulsorily at the time of joining in the DU.

7. Leave Rules

- 7.1 ICAR-PDFs will be entitled to avail leave as per GOI rules of the host institution. Participation in Scientific Conferences/ Seminars/Symposia/Workshops will be treated as on duty.
- 7.2 Maternity leave as per the Govt. of India instructions issued from time to time would be available to female candidates of all categories. Fellowship would not be admissible during the leave period, if the duration of leave exceeds three months.
- 7.3 The fellow must seek the consent of host ICAR-DU and may avail leave of the kind due if

he/she intends to be away from the institute/University (except for field work related to the project and Scientific Conferences/ Seminars/Symposia/Workshops).

8. Termination of Fellowship

- 8.1 If any fellow wishes to terminate the fellowship, he/she shall inform the ICAR through the mentor and host institute immediately. The implementing institute should not incur any expenditure from the date of termination of the project or the date of resignation of the Post - Doctoral Fellow.
- 8.2 ICAR reserves the right to terminate the Fellowship at any stage if it is convinced that satisfactory progress is not being made by the awardees or the grant has not been utilized properly.
- 8.3 If the fellow leaves within one month of joining, the position can be filled from the panel of waitlisted candidates.

9. Project Monitoring

- 9.1 The progress of the ICAR PDF vis-à-vis projections made and targets set in the work plan of the approved projects shall be quarterly reviewed by an Institute level Committee comprising Director of the ICAR-DU, concerned Head of the Department and Mentor of the ICAR-PDF.
- 9.2 Half-yearly progress of the project will be reviewed by the same Selection Committee for ICAR-PDF. In case of satisfactory report, Council shall release the 2nd instalment of grant.
- 9.3 The Annual Performance Appraisal Report (APAR) of the ICAR-PDF shall be made by the Mentor as Reporting Officer and be reviewed by Director of the concerned Institute/concerned authority of the University.
- 9.4 The observations/comments of the Institute Committee of the ICAR-DU where the progress of the work was presented may be invariably attached with the APAR.
- 9.5 The ICAR-PDF will be expected to publish/communicate his/her research findings in a peer reviewed journal having NAAS rating not less than 7.0. The proof of this should be submitted along with the final project report.
- 9.6 The progress of the ICAR-PDF project should invariably form a part of Annual Report of the Host Institute and final report of the project shall be uploaded on the Agricultural Education Portal.

10. General

- 10.1 The ICAR-PDF is expected to protect the Intellectual Property Rights generated or likely to be generated during his/her tenure. The Council will have the appropriate share on the patents/protections/knowledge generated as per the "ICAR Guidelines for Intellectual Property Management and Technology Transfer/Commercialization" as amended from time

to time. If the fellow enters into any other IP agreement, the same will be appropriately communicated to and shared with the Council. In all publications arising out of the ICAR-PDF project, the support from the Council should be duly acknowledged.

10.2 For any clarification regarding the ICAR-Post Doctoral Fellowship, the Deputy Director General, Agricultural Education, ICAR, New Delhi may be contacted.

10.3 The Director General ICAR & Secretary DARE will be the final authority in resolving and taking decision on any situation/conflict and his decision shall be binding on all parties concerned.

10.4 For any dispute, the applicable law will be the Indian law under the jurisdiction of Courts in Delhi only

Appendix-1

Undertaking by the ICAR -PD Fellow

I,-----, Son/Daughter/Wife of Shri. -----,
resident of ----- agree to undertake the following, if I am offered the
ICAR –PDF:

1. I shall abide by the rules and regulations of ICAR -PDF during the entire tenure of the fellowship.
2. I shall also abide by the rules, discipline of the institution where I will be implementing my fellowship.
3. I shall devote full time to research work during the tenure of the fellowship.
4. I shall prepare the progress report for six months period and the final report after completion of programme and submit it to ICAR through the mentor/Director of the institute for the release of fellowship.
5. I shall submit two copies of the consolidated progress report at the end of the fellowship period to the University and one soft copy to the ICAR for uploading on Agricultural Education Portal.
6. I further state that I shall have no claim whatsoever for regular/permanent absorption on expiry of the fellowship at the host institution.

Date:

Signature

Appendix-2

SPECIMEN OF BOND FOR CANDIDATES SEEKING AWARD OF ICAR –PDF

KNOW ALL MEN BY THESE PRESENTS THAT I, resident of in the District of..... at present employed as.....in the Ministry/Office of do hereby bind myself and my heirs, executors and administrators to pay to the President of ICAR Society (thereinafter called “the Council”) on demand the sum of Rs.... (Rs..... only) together with interest thereon from the date of demand at Government rates for the time being in force on Government loans AND TOGETHER with all costs between attorney and client and all charges and expenses that shall or may have been incurred by the Council.

Whereas I am granted study leave by Council.

AND WHEREAS for the better protection of the Council/Government I have agreed to execute this Bond with such condition as hereunder is written:

NOW THE CONDITION OF THE ABOVE WRITTEN OBLIGATION IS THAT in the event of my failing to resume duty, or resigning or otherwise quitting service without returning to duty after the expiry or termination of the period of study leave or failing to complete the course of study or at any time within a period of **one year** after my return to duty, I shall forthwith pay to the Council/Government or as may be directed by the Council/ Government, on demand the said sum of Rs. (Rupees only) together with interest thereon from the date of demand at Government rates for the time being in force on Government loans.

NOW FURTHER THE CONDITION OF THE ABOVE WRITTEN OBLIGATION IS THAT the period of my bond mandating putting in service for the period as specified above after expiry of the study leave availed by me shall be extended by a comparable period equivalent to the aggregate period of leave of any kind availed by me during the currency of the bond period.

AND upon my making such payment, the above written obligations shall be void and of no effect, otherwise it shall be and remain in full force and virtue.

The bond shall in all respects be governed by the laws of India for the time being in force and the rights and liabilities hereunder shall, where necessary, be accordingly determined by the appropriate Courts of India.

Signed and dated this day of two thousand and

Signed and delivered by

.....

In the presence of

Witnesses 1

 2

ACCEPTED

**For and on behalf of the
President of ICAR
Society**

Explanation: The term 'currency of bond' means the period during which the liability of the Government servant is activated and the right of the Government is alive to claim the predetermined and stipulated amounts from the Government servant who fails to discharge his obligation.

**ICAR-CENTRAL INSTITUTE OF FISHERIES EDUCATION
MENTORS FOR ICAR- POST-DOC FELLOWSHIP (ICAR-PDF)**

S.No.	Name of the Mentors and email ID	Areas of Research
1.	Dr. Gopal Krishna, Director & Vice-Chancellor, ICAR-CIFE, Mumbai Email : gopalkrishna@cife.edu.in	<ul style="list-style-type: none"> • Molecular breeding
2.	Dr. K.V. Rajendran, Principal Scientist & HoD Email : kvrajendran@cife.edu.in	<ul style="list-style-type: none"> • Pathobiome approach for better understanding of disease process in shrimp aquaculture
3.	Dr. K. Paniprasad, Principal Scientist Email : kpaniprasad@cife.edu.in	<ul style="list-style-type: none"> • Fish Immunology & Diagnostics • Microbiology including AMR & Surveillance
4.	Dr. S.P. Shukla, Principal Scientist Email : spshukla@cife.edu.in	<ul style="list-style-type: none"> • Water quality management and wastewater utilization • Algae based water treatment and carbon sequestration technologies
5.	Dr. Gayatri Tripathi Principal Scientist Email : gayatrit@cife.edu.in	<ul style="list-style-type: none"> • Fish disease diagnostic research encompassing embryonic stem cell biology • Nanotoxicology and immunotoxicology
6.	Dr. N. P. Sahu, Principal Scientist & HoD Email : npsahu@cife.edu.in	<ul style="list-style-type: none"> • Nutrigenomic approach to evaluate protein isolates from non-edible seed supplemented with nutraceuticals in aquafeed
7.	Dr. Subodh Gupta, Principal Scientist Email : sgupta@cife.edu.in	<ul style="list-style-type: none"> • Nanotechnology • Pharmacology & Toxicology
8.	Dr. B. B. Nayak, Principal Scientist & HoD Email : nayakbb@cife.edu.in	<ul style="list-style-type: none"> • Fish processing microbiology and waste management
9.	Dr. Geetanjali Deshmukhe, Principal Scientist Email : dgeetanjali@cife.edu.in	<ul style="list-style-type: none"> • Algal taxonomy and life history • Coastal ecosystems – Mangrove & Coral reef
10.	Dr. A. K. Jaiswar, Principal Scientist Email : akjaiswar@cife.edu.in	<ul style="list-style-type: none"> • Taxonomic evaluation of shellfish resources
11.	Dr. Sanath Kumar H., Sr. Scientist Email : sanathkumar@cife.edu.in	<ul style="list-style-type: none"> • Seafood food safety, quality and risk assessment • Antimicrobial resistance to physiology & molecular biology of food pathogens
12.	Dr. A. K. Balange, Sr. Scientist Email : amjadbalange@cife.edu.in	<ul style="list-style-type: none"> • Fish Processing Technology • Value Added Product

13.	Dr. Aparna Chaudhari, Principal Scientist & HoD Email : aparnac@cife.edu.in	<ul style="list-style-type: none"> • Designing CRISPR edited zebrafish models for drug discovery
14.	Dr. N. S. Nagpure, Principal Scientist Email : nsnagpure@cife.edu.in	<ul style="list-style-type: none"> • Ecotoxicology and genotoxicity • Population genetics
15.	Dr. Shrinivas Jahageerdar, Principal Scientist Email : jahageerdar@cife.edu.in	<ul style="list-style-type: none"> • Genomic management of hatchery population • Evaluation of levels of inbreeding in Indian hatchery population
16.	Dr. Rupam Sharma, Principal Scientist Email : rupams@cife.edu.in	<ul style="list-style-type: none"> • Nanotechnology for breeding, biomolecule delivery • Toxicity studies of carbon nanotubes
17.	Dr. K. K. Krishnani, Principal Scientist & HoD Email : krishnani@cife.edu.in	<ul style="list-style-type: none"> • Environmental and nano- biotechnology • Improved technology interventions in aquaculture and culture based fisheries for livelihood improvement of farmers
18.	Dr. A. K. Verma, Sr. Scientist Email : akverma@cife.edu.in	<ul style="list-style-type: none"> • Recirculating aquaponics system • Conjunctive use of water for aquaculture
19.	Dr. Paramita Banerjee Sawant, Sr. Scientist Email : paromita@cife.edu.in	<ul style="list-style-type: none"> • Aquaculture of ornamental fishes • Freshwater biodiversity
20.	Dr. Arpita Sharma, Principal Scientist Email : arpitasharma@cife.edu.in	<ul style="list-style-type: none"> • Gender, livelihood and development • IPR
21.	Dr. P.S. Ananthan, Sr. Scientist Email : ananthan@cife.edu.in	<ul style="list-style-type: none"> • Fisheries Policy & Development Planning • Socio-economic / Fisheries vulnerability assessment & adaptation in climate change scenario