

**Advt. No. WII/RES/RSCHRS-SELCTION' 2016/A.3.17**

**Qualifying Test and Interview to engage Research Fellows**

The Wildlife Institute of India (WII) is a premier autonomous Institute under the Ministry of Environment, Forest & Climate Change, Government of India, in the field of teaching, training and research. WII wishes to engage **21 research personnel (Indian national only)** viz., 07 Junior Research Fellows, 02 Senior Research Fellows, 05 Research Biologists, 03 Forensic Researchers, 02 Project Biologists, 01 Sr. Project Biologist and 01 Project Assistant through a **Qualifying Test** on **20<sup>th</sup> June 2016** followed by **Interview(s)** on **21<sup>st</sup> & 22<sup>nd</sup> June 2016**. Details of the positions along with essential and desirable qualifications, terms and conditions and how to apply are given below:

Sl. No.	Details of the positions for interview on Tuesday, 21 <sup>st</sup> June 2016	
1.	<b>Project Title, number of positions and duration</b>	<b>Influence of micro-climatic variables on herbaceous plant communities in treeline ecotone in the Himalaya.</b> <b>(02 – Junior Research Fellows)</b> <b>Duration: Four years</b>
	<b>Essential Qualification</b>	Masters Degree in Botany/Forestry with a minimum of 60% aggregate marks from a recognized University.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences with a minimum of 60% marks aggregate.
	<b>Desirable Qualification</b>	<ul style="list-style-type: none"> <li>▪ Research experience on Floristics/Ecological surveys/Climate change/RS &amp;GIS related studies in western Himalaya.</li> <li>▪ Candidates with strong physical and mental abilities and keen desire to carry out arduous field work in the remote and rugged high altitude areas of Uttarakhand and Himachal Pradesh may apply.</li> </ul>
	<b>Description of Work</b>	The project aims to study status and diversity pattern among vascular plants across the gradients of micro-environment, its sub-alpine and alpine meadows; Spatio-temporal changes in land use/land cover using remote sensing and geographical information system (GIS), and develop conservation and management strategies in the light of changing climate.
2.	<b>Project Title, number of positions and duration</b>	<b>Ecological monitoring of Chambal River basin with special reference to water requirement of key aquatic species.</b> <b>(01 – Junior Research Fellow)</b> <b>Duration: Three years</b>
	<b>Essential Qualification</b>	Masters Degree in Biotechnology/Wildlife Sciences/Life Sciences/Zoology with a minimum of 60% marks.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences with a minimum of 60% marks aggregate.
	<b>Desirable Qualification</b>	Experience of laboratory analysis on molecular biology techniques, DNA extraction and application of molecular markers. Proficiency in using computers and good writing skills in English language.

	<b>Description of Work</b>	Required to conduct field work and conduct laboratory analysis to examine the variation in the mitochondrial DNA as well as Nuclear DNA using control region and microsatellite of gharial, mugger, turtles and other wildlife of Chambal river.
3.	<b>Project Title, number of positions and duration</b>	<b>Ecology of Wolves with Emphasis on Dispersal in a Human Dominated Landscape, Maharashtra, India.</b> <b>(01 – Junior Research Fellow)</b> <b>Duration: Three years</b>
	<b>Essential Qualification</b>	Mastersq Degree in Wildlife Biology/Zoology/Forestry/Environmental Science/ Life Science/Geo-Informatics with a minimum of 60% aggregate marks from a recognized University.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences with a minimum of 60% marks aggregate.
	<b>Desirable Qualification</b>	i. Relevant field research experience. ii. Candidates with strong physical and mental abilities and a keen desire to carryout field work with minimum logistics support.
	<b>Description of Work</b>	The main research questions of this study are, a) What is the current population status of wolves in Maharashtra, b) What is spatial nature of dispersal of wolves in a human- dominated landscape? i.e. the nature and size of space utilized by the species in a system, c) How does availability of habitats influence dispersal in wolf packs i.e. the disproportionate use of space and resources may lead to a better understanding of critical resources used by wolves and d) What are the social and behavioral factors that contribute to dispersal or delayed dispersal of wolves? I.e. What processes determine actions by wolves in terms of adaptations in their life history strategies? The study will help in the understanding of what are the critical wolf habitats within a human dominated mosaic that need to be conserved for long term viability of wolf populations.
4.	<b>Project Title, number of positions and duration</b>	<b>Ecology of Clouded leopard (<i>Neofelisnebulosa</i>) in an East Himalayan Bio-diversity Hot-spot.</b> <b>(01 – Junior Research Fellow)</b> <b>Duration: Three years</b>
	<b>Essential Qualification</b>	Mastersq Degree in Wildlife Science/Zoology/Forestry /Environmental Science with a minimum of 60% aggregate marks from a recognized University.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences with a minimum of 60% marks aggregate.
	<b>Desirable Qualification</b>	Research Experience in animal ecology with emphasis on population estimation and quantitative techniques.  Candidates with strong physical and mental abilities and keen desire to carry out arduous field work in the remote areas of Tripura shall be preferred.
	<b>Description of Work</b>	The project envisaged on the status, distribution and abundance of clouded leopards in the biodiversity hotspot. The project aims to establish baseline ecological data pertaining to select areas of Tripura and design suitable monitoring framework for the future.
5.	<b>Project Title, number of</b>	<b>Ecological impact assessment of existing and proposed road infrastructure in important wildlife corridors in India for strategic planning</b>

	<b>positions and duration</b>	<b>of smart green infrastructure.</b> <b>Duration : Three years</b>
	<b>Essential Qualification</b>	<b>02 – Junior Research Fellows</b> Mastersq Degree in Wildlife Biology/Zoology/ Forestry/Environmental Science/ Life Science/Geo-Informatics with a minimum of 60% aggregate marks from a recognized University.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences with a minimum of 60% marks aggregate.  <b>01 – Senior Research Fellow</b> Mastersq Degree in Wildlife Biology/Zoology/Forestry/Environmental Science/ Life Science/Geo-Informatics with a minimum of 60% aggregate marks from a recognized University with a minimum of 2 (two) yearsq research experience after MastersqDegree.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/Ecological Sciences with a minimum of 60% marks aggregate and possess at least two years of research experience.
	<b>Desirable Qualification</b>	Relevant research experience in the field of road ecology and Environmental Impact Assessment. Candidate(s) with adequate skills in computer applications, and with strong physical and academic abilities shall be preferred.
	<b>Description of Work</b>	The project aims to generate baseline and Decision Support Systems for providing inputs to impact assessment and finally principle of road ecology in development of measures for promoting smart green roads. It would involve extensive travelling and working in arduous conditions by the research team.
<b>6.</b>	<b>Project Title, number of positions and duration</b>	<b>Ecological monitoring of Chambal River basin with special reference to water requirement of key aquatic species.</b> <b>(01 – Senior Research Fellow)</b> <b>Duration: Three years</b>
	<b>Essential Qualification</b>	Mastersq Degree in Wildlife Sciences/Biodiversity Conservation/Environmental Science/Life Sciences/Zoology with a minimum of 60% marks with minimum of two years of research experience after MastersqDegree.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/Ecological Sciences with a minimum of 60% marks aggregate and possess at least two years of research experience.
	<b>Desirable Qualification</b>	1. Adequate research experience of conducting faunal survey preferably of aquatic wildlife such as crocodiles. 2. Proficiency in using computers and good writing skills in English language.
	<b>Description of Work</b>	(a) Conduct ecological survey of gharial, River dolphin, smooth-coated otter and map their critical habitat along the Chambal river. (b) Derive the empirical relationships between flow and ecological status of the key indicator species and their habitats along Chambal river.

<b>Details of the positions for interview on Wednesday, 22<sup>nd</sup> June 2016</b>		
<b>7.</b>	<b>Project Title, number of positions and duration</b>	<b>Population estimation and ecology of the tiger in the Sunderbans.</b> <b>(01 – Research Biologist)</b> <b>Duration: One year (likely to be extended further)</b>
	<b>Essential Qualification</b>	Mastersq Degree in Wildlife Science/Zoology/Botany/Veterinary Science/Forestry/Life Science from a recognized University. <b>OR</b> M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences.
	<b>Desirable Qualification</b>	Candidates with a proven experience and interest in conducting field research with an exposure to wildlife will be preferred.
	<b>Description of Work</b>	The project aims at gaining an understanding of tiger ecology in the Sundarban through the use of radio-telemetry and camera traps. The researcher is expected to live/stay for longer periods on a boat in the Sunderbans tracking collared tigers and putting out camera traps.
<b>8.</b>	<b>Project Title, number of positions and duration</b>	<b>Ecology of tigers with special reference to ranging patterns, dispersal and human-tiger conflicts in Bandhavgarh Tiger Reserve, Madhya Pradesh.</b> <b>(02 – Research Biologists)</b> <b>Duration: Two years</b>
	<b>Essential Qualification</b>	Mastersq Degree in Wildlife Science/Ecology/Forestry/Zoology/Botany/Life Sciences from a recognized University. <b>OR</b> M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences.
	<b>Desirable Qualification</b>	Research experience in field of wildlife ecology, data collection, proficiency in ecological data analysis, proficiency in writing reports and willingness to work in difficult field situations.
	<b>Description of Work</b>	The study envisages data collection on tiger home-range, dispersal, habitat use and human-tiger conflicts using radio-telemetry in Bandhavgarh Tiger Reserve and adjoining areas.
<b>9.</b>	<b>Project Title, number of positions and duration</b>	<b>Wildlife Forensics and Conservation Genetics Cell.</b> <b>(03 – Forensic Researchers)</b> <b>Duration: One year</b>
	<b>Essential Qualification</b>	Mastersq Degree in Biotechnology/Genetics/Biochemistry/Microbiology/Zoology/ Life Sciences/Veterinary Science/Wildlife Science and Biological Conservation from a recognized University. <b>OR</b> M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences.
	<b>Desirable Qualification</b>	Working knowledge of modern genetics/molecular biology/lab experience/ analytical skill and use of genetics software(s).
	<b>Description of Work</b>	Selected candidate(s) will have to perform the molecular analysis pertaining to wildlife forensics cases and other assigned work(s) by the Nodal Officer of the Cell.

	<b>Project Title, number of positions and duration</b>	<b>Wildlife Forensics and Conservation Genetics Cell.</b> <b>(01 – Senior Project Biologist)</b> <b>Duration: One year</b>
	<b>Essential Qualification</b>	Ph.D. in Zoology/Wildlife Science/Life Sciences relevant to wildlife research, with one year Post Ph.D. experience from a reputed institute/laboratory.
	<b>Desirable Qualification</b>	Preference will be given to candidate who will be having working knowledge of wildlife research methodologies and forensic applications using morphological and chemical analysis.
	<b>Description of Work</b>	Selected candidate will have to perform the morphological analysis pertaining to wildlife forensics cases and assist in other activities of the Cell.
10.	<b>Project Title, number of positions and duration</b>	<b>Evaluation of walls and other barriers used for stopping crop depredation by elephants and wild pigs in Uttarakhand.</b> <b>(02 – Research Biologists)</b> <b>Duration : One year</b>
	<b>Essential Qualification</b>	Mastersq Degree in Wildlife Science/Forestry/Natural Resource Management/ Life Sciences from a recognized University.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences.
	<b>Desirable Qualification</b>	Experience/knowledge of field work and general knowledge on vegetation of Bhabar tract as well as good analytical skills.
	<b>Description of Work</b>	Vegetation sampling, Quantification of crop damage, questionnaire survey and wildlife abundance estimation.
11.	<b>Project Title, number of positions and duration</b>	<b>Population genetic structure and gene flow in brown bear (<i>Ursus arctos isabellinus</i>) populations in India and assess extent of gene flow between populations of India and Pakistan: Conservation and Forensic Implications.</b> <b>(01 – Project Biologist)</b> <b>Duration: Two years</b>
	<b>Essential Qualification</b>	MastersqDegree in Wildlife Science/Life Sciences/ Environmental Sciences from a recognized University.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences.
	<b>Desirable Qualification</b>	Experience in wildlife surveys, population estimation, GIS, knowledge of different software(s) e.g. Distance, Capture, Mark etc.
	<b>Description of Work</b>	Required to visit Brown bear areas of Jammu & Kashmir, Himachal Pradesh and Uttarakhand for collection of samples, data analysis and report writing.
12.	<b>Project Title, number of positions and duration</b>	<b>Kailash Sacred Landscape Conservation and Development Initiative (KSLCDI).</b> <b>(01 – Project Biologist)</b> <b>Duration: Up to December 2016 (extendable by one more year)</b>
	<b>Essential Qualification</b>	Mastersq Degree in Botany/Forestry from a recognized University with a minimum of 60% aggregate marks.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences with a minimum of 60% aggregate marks.

	<b>Desirable Qualification</b>	<ul style="list-style-type: none"> <li>▪ Experience on floral surveys/inventories and vegetation quantification in western Himalaya.</li> <li>▪ Attitude and willingness to work in the remote and rugged conditions in the Himalaya.</li> </ul>
	<b>Description of Work</b>	Participatory Natural Resource Planning based on rapid survey of biomass, resources availability and use patter in Indian part of Kailash Sacred Landscape.
<b>13.</b>	<b>Project Title, number of positions and duration</b>	<b>Biodiversity Conservation and Rural Livelihood Improvement (BCRLIP) – Bird Component.</b>  <b>(01 – Project Assistant)</b>  <b>Duration: Eighteen months</b>
	<b>Essential Qualification</b>	Mastersq Degree in Wildlife Science/Zoology/Life Sciences/Environmental Sciences from a recognized University with a minimum of 60% aggregate marks.  OR M. Tech/M.Phil in any discipline relevant to Biological Science/Life Science/ Ecological Sciences with a minimum of 60% aggregate marks.
	<b>Desirable Qualification</b>	Experience of working on birds or other wildlife species. Aptitude and willingness to work in harsh environments that will involve extensive trekking to different sites in mountainous terrain.
	<b>Description of Work</b>	This study will involve carrying out field surveys of <i>galliformes</i> in the Pithoragarh district, Uttarakhand.

## GENERAL TERMS & CONDITIONS

- The selection of the candidate(s) will be based on the **Qualifying Test** and **Interview** to be held from **20<sup>th</sup> to 22<sup>nd</sup> June 2016** at the Wildlife Institute of India, Dehra Dun.
- There shall be 3 components, based on which selection merit would be arrived at as follows:

Component	Marks
Academic Background	20% (10% UG+10% PG)
Qualifying Test	60%
Interview	20%

- Candidate(s) should bring/produce the duly filled-in application form with attested true copies of original documents attached with the application form at the time of Registration on **20<sup>th</sup> June 2016** at the Wildlife Institute of India, Dehra Dun. Registration of the applicants will be done from **09:00 to 10:00hrs** for all advertised positions and late entrants after the stipulated time as stated above will not be entertained.
- Applicants shall produce Original Documents at the time of registration for document verification.** Applications without enclosures and/or incomplete in any respect shall be rejected.
- The application-form shall be accompanied with a **Demand Draft of Rs. 500/-** in favour of **Director, Wildlife Institute of India** payable at **Dehradun**.
- After the process of the Registration of the candidate(s), a Qualifying Test (*covering syllabi of M.Sc. course in Wildlife Science, Environmental Sciences, Natural Resource Management, Forestry, Veterinary Sciences and Agricultural Sciences*) of **one hour** shall be conducted from **12:00hrs to 13:00hrs** on **Monday, 20<sup>th</sup> June 2016** at WII and the results will be declared at **16:00hrs** on the same day.
- The cut-off criteria of qualifying test would be 50% and above, and the selected candidate(s) of the qualifying test shall be eligible to appear for the interview(s).
- Qualified Candidates of UGC/CSIR/ICAR/WII-NET for JRFship and GATE for the award of JRFship in the discipline **Ecology and Evolution** shall be exempted from appearing in the qualifying test and would be directly eligible to appear for the interview(s), which he/she intended to apply for.
- Interview(s) of the successful candidates of qualifying test for the advertised positions/projects listed from **Sl. No 1 to 7** shall be conducted on **Tuesday, 21<sup>st</sup> June 2016** and for the advertised positions/projects listed from **Sl. No 8 to 13** shall be conducted on **Wednesday, 22<sup>nd</sup> June 2016** at the Wildlife Institute of Institute, Dehradun from **09:30 hrs** onwards on abovementioned dates.
- The Interview Committee at its sole discretion and subsequent to the approval of the Chairman, Interview Committee, may extend an opportunity to the competent candidate(s) to opt for any other project/position in relevance to their academic background, research experience and project specific requirement(s).
- Age criteria and monthly fellowship of the advertised positions are as follows:

S. No.	Position Advertised	Age Limit (As on 20.06.2016)	Age relaxation (if any)	Monthly Fellowship
1.	Junior Research Fellow	<b>Shall not be more than 28 years</b>	The upper age limit may be relaxed up to 5 years for the candidate(s) belonging to SC/ST/OBC/Women and Physically Challenged category.	Rs. 25,000/- + HRA (as admissible)
2.	Senior Research Fellow	<b>Shall not be more than 32 years</b>	The upper age limit may be relaxed up to 5 years for the candidate(s) belonging to SC/ST/OBC/Women and	Rs. 28,000/- + HRA

S. No.	Position Advertised	Age Limit (As on 20.06.2016)	Age relaxation (if any)	Monthly Fellowship
			Physically Challenged category.	(as admissible)
3.	Research Biologist	<b>Shall not be more than 30 years</b>	The upper age limit may be relaxed up to 5 years for the candidate(s) belonging to SC/ST/OBC/Women and Physically Challenged category.	Rs. 25,000/- + HRA (as admissible)
4.	Project Biologist	<b>Shall not be more than 30 years</b>	The upper age limit may be relaxed up to 5 years for the candidate(s) belonging to SC/ST/OBC/Women and Physically Challenged category.	Rs. 25,000/- + HRA (as admissible)
5.	Sr. Project Biologist	<b>Shall not be more than 40 years</b>	The upper age limit may be relaxed up to 5 years for the candidate(s) belonging to SC/ST/OBC/Women and Physically Challenged category.	Rs. 36,000/- + HRA (as admissible)
6.	Project Assistant (BCRLIP – Bird Component)	<b>Shall not be more than 30 years</b>	The upper age limit may be relaxed up to 5 years for the candidate(s) belonging to SC/ST/OBC and Women category.	Rs. 25,000/- + HRA (as admissible)
7.	Forensic Researcher	<b>Shall not be more than 40 years</b>	The upper age limit may be relaxed up to 5 years for the candidate(s) belonging to SC/ST/OBC/Women and Physically Challenged category.	Rs. 25,000/- + HRA (as admissible)

12. Selected candidate(s) will be engaged for a period mentioned against each advertised position. Subsequently the fellowship tenure may be extended depending upon the exigencies of the work at of the Institute and based on satisfactory performance of the candidate.
13. The designation and terms & conditions associated with each position are subject to approval of the WII Governing Body.
14. Hostel accommodation at the institute will be provided subject to availability. Where the hostel accommodation is not possible, house rent allowance (HRA) will be paid as per the rules of the Institute.
15. **Institute will not provide accommodation and TA/DA for candidates appearing for the interview.**
16. The application form can be downloaded from the link [www.wii.gov.in](http://www.wii.gov.in)
17. Canvassing in any form is liable to rejection of the candidature.
18. The Director, WII reserves the right to reject the candidature of any applicant in case of incomplete or false information provided him/her or in case of any misconduct.

- Research Coordinator  
Wildlife Institute of India, Dehra Dun



# APPLICATION FORM

*(Junior Research Fellow/Senior Research Fellow/Research Biologist/Project Biologist/  
Sr. Project Biologist/Forensic Researcher/Project Assistant)*

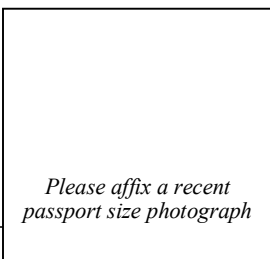
**Name of the Project:** \_\_\_\_\_

**Category:** General/SC/ST/OBC/Physically Handicapped, please indicate \_\_\_\_\_

1. Name of the applicant: \_\_\_\_\_

**A. Present Postal Address with Pin Code**

\_\_\_\_\_  
 \_\_\_\_\_



Phone/Fax # \_\_\_\_\_

e-mail \_\_\_\_\_

**B. Permanent Residential Address with Pin Code** \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Phone/Fax # \_\_\_\_\_

e-mail \_\_\_\_\_

Nearest Railway Station for undertaking the Journey \_\_\_\_\_

2. Date of birth \_\_\_\_\_ Age in years (as on 20.06.2016) \_\_\_\_\_

3. If belonging to SC/ST/OBC, state name of the Caste/Tribe \_\_\_\_\_.  
 A photo copy of the original caste certificate issued by competent authorities may be attached.

4. (a) Academic Achievements:

Examination Passed	Year	University	Subject	Percentage of marks obtained
Bachelor's Degree				
Master's Degree				
Ph.D.				

(b) Creative Achievement (State briefly your bio data as research worker/giving details of research papers, participation in Seminar, Symposium, Conference, etc.). Furnish this information in a separate sheet.

5. Have you received any scholarship/fellowship before applying for this award? *(If so, please give its source, value, period and details of work done under that award)* \_\_\_\_\_

Name of the Scholarship	Awarding Agency	Period		Amount
		From	To	

6. Employment held so far *(up to date)*:

Name of the Employer	Position held	Period		Emoluments per month
		From	To	

7. Candidate passed UGC/CSIR/ICAR/WII NET for JRFship and GATE qualified candidates for the award of JRFship in the discipline -Ecology and Evolutionø should provide details.
8. Research publications, title of the publication, year of publication, journal, etc., may be indicated *(reprints may be enclosed)*. Details may be given in a separate sheet.
9. Seminar/Symposium/Workshop/Conference attended *(Documentary proof(s) may be enclosed)*.
10. Extracurricular activities. *(Details may be given in a separate sheet)*.
11. National Parks, Sanctuaries & Forest areas visited, and a paragraph on self interest in the field of Wildlife Conservation & Research *(attach a separate sheet)*.
12. Name, Complete Postal Address and Phone Number of three referees should be given below.  
**Also attach separately testimonials obtained from any two referees:**
- 1.
  - 2.
  - 3.
13. Certified that information furnished above are correct to the best of my knowledge.

**Place:**

**Date:**

**(Signature of the Applicant)**