



# BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES

(An Autonomous Institution under Department of Science & Technology, Govt. of India)

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## **ADVERTISEMENT No. BSIP/02/2023**

Applications are invited for **Five (05) Birbal Sahni Research Associate (BSRA) {One post for each of the Area}** tenable at Birbal Sahni Institute of Palaeosciences, Lucknow.

**ESSENTIAL QUALIFICATION:** Master's degree (M.Sc.) in Botany/Geology/related discipline with high academic attainments both at the graduate and post-graduate levels and three years of research experience in appropriate discipline or Ph.D. in appropriate discipline.

**Area 1. Hydrocarbon Exploration (Comprehensive geochemical and petrographical study of organic matter from coal-bearing sequences for the potential of unconventional hydrocarbon generation).**

### **Desirable Qualifications:**

- Minimum 3 years experience in handling FTIR, GCMS, and other analytical tools
- Minimum 3 years working experience in the area of hydrocarbon explorations
- Experience in petrological studies

**Area 2. Quaternary Climate Reconstruction utilizing Lake Sediments- Evaluation of Lake response to the climatic and monsoonal variability - Data assimilation and Modelling.**

### **Desirable Qualifications:**

- Minimum 3 years experience in Palaeomagnetic studies, IRMS, XRD, XRF, ICPMS and other analytical tools
- Minimum 3 years working experience in the area of Quaternary climate reconstruction
- Experience working in Quaternary sediment cores.

### **Area 3. Palaeo-bioinformatics**

**Artificial Intelligence in palaeontology/palaeo-palynology and its use in building biostratigraphy.**

### **Desirable Qualifications:**

- Experience in Machine learning/Artificial Intelligence/ neural network.
- M.Sc./B.Tech. in Botany/Zoology/ Bioinformatics/Biotechnology

### **Area 4. Vertebrate Palaeontology**

**Cretaceous-Paleogene fauna from Central India: Link(s) between biodiversity and palaeoenvironment.**

### **Desirable Qualifications:**

- Experience in Vertebrate Palaeontology/fossil identification/maceration
- M.Sc./MS in Geology/Zoology/ Earth Sciences
- Experience in Palaeodata assimilation and isotope geochemistry

## **Area 5. Himalayan Climatology**

### **Understanding the inception and impact of anthropogenic activities in the Higher and Trans Himalayan regions.**

#### **Desirable Qualification:**

- M.Sc. Geology/Botany
- B.Sc. in Botany/Zoology/Chemistry/Geology
- Experience working with high-altitude Quaternary palynology.

**AGE LIMIT:** The upper age limit is 32 years as on 28.02.2023. In the case of applicants of Scheduled Caste/Scheduled Tribe/Other Backward Classes, age relaxation upto five years may be allowed as per the Govt. of India norms.

#### **GENERAL CONDITIONS:**

1. The tenure of the Birbal Sahni Research Associateship is three years. The Research Associates shall be entitled to a sum of Rs. 47,000/-+ HRA per month during first year, a sum of Rs. 49,000/- + HRA per month during second year and Rs. 54,000/- + HRA per month during third year after reviewing his/her performance for the preceding two years by a Committee constituted by the Director.
2. Only the Indian citizens normally residing in India are eligible for Research Associateship.
3. The award of associateship shall not imply any assurance or guarantee for subsequent employment at the Birbal Sahni Institute of Palaeosciences.
4. The Birbal Sahni Research Associates will not be entitled to Dearness Allowance and City Compensatory Allowance. House Rent Allowance and Medical benefits may be allowed to the Birbal Sahni Research Associates as per the Staff Rules of the Institute. For this purpose, the Associateship amount for the Birbal Sahni Research Associates will be taken as basic pay. No bonus and Leave Travel Concession facility will be admissible to the Birbal Sahni Research Associates.
5. Mere fulfilling of the minimum qualification and experience requirements does not automatically entitle an applicant to be called for test and/or interview.
6. All the applications received within the due date in response to this advertisement shall be considered for short-listing by a Screening Committee and only the candidates recommended by the Screening Committee will be called for test and/or interview. The decision of the Institute on short-listing will be final and the Institute will not entertain any correspondence in this respect.
7. The Institute reserve the right to alter/insert any corrections/additions in the advertisement/website in the event of any typographical error before the last date prescribed for the receipt of applications.
8. Director, Birbal Sahni Institute of Palaeosciences reserves the right to reject any or all the applications without assigning any reason or not to fill any post, if suitable candidates are not available or because of any other reason.
9. The Birbal Sahni Research Associate may avail leave as per the rules of the Institute. For women associates, the maternity leave rules as applicable in the Institute shall apply.
10. The number of Scholarships may vary. The Institute reserves the right not to fill up any of the Scholarships.
11. Usual infrastructural facilities for research purpose and higher research degree will be provided by the Institute.

