

Name of the post	Junior Research Fellow (JRF)
Name of the Project	New 2-D carbon-based anode materials in Na-ion battery: Effects of heteroatom doping on Na storage capacity, charge mobility and open circuit voltage via ab initio simulation study
Funding Agency	SERB, DST
A brief details of the project	The storage and diffusion of Na ions onto different carbon allotropes would be performed by high-level quantum simulations. Electronic-structure and dynamical properties would be computed for different Na-ion loadings. Such studies have a direct implication in the development of Na-ion battery.
Principal investigator (PI)	Dr. Malay Kumar Rana Email ID: mrana@iiserbpr.ac.in Mobile: +91-7978097068
Qualification	Candidates having M.Sc. degree in Chemistry and GATE or NET (LS) qualified are eligible for applying to this position. Candidates with prior exposure to molecular simulation or quantum calculation will be given additional preference.
Fellowship/salary	Year-1 Monthly Emolument: Rs. 31,000 Year-2 Monthly Emolument: Rs. 31,000 Year-3 Monthly Emolument: Rs. 35,000 Accommodation: The Institute's hostel accommodation facility is available.
Nature and duration of the post	This position is linked with the Ph.D. program of IISER Berhampur. During the program, the candidate has to conduct course work in addition to research as per the academic curriculum of IISER Berhampur. The position is extendable or upgradable till

	the completion of the Ph.D. program.
Last date of applications	Completed applications along with the bio-data, attested copies of mark sheets/certificates and e-mail ID along with phone numbers must reach to the PI at the (through email only) address given above latest by 21.07.2020 01.08.2020 . For any technical information, candidates are free to contact the PI on Email/phone.
Interview	The date of interview will be informed later to the shortlisted candidates through Email/phone. Due to unforeseen circumstances arising out of the COVID-19 pandemic, the interview will be conducted online via Google Meet or Skype .

Note: IISER Berhampur has the right to cancel the advertisement or extend its deadline if necessary. Only shortlisted candidates will be called for interview.



Principal Investigator (PI)