SAMBALPUR UNIVERSITY
Jyoti Vihar, Sambalpur, Odisha-760007, India

ADVERTISEMENT FOR PROJECT POSITIONS
(ANRF-PAIR Sanction order No. ANRF/PAIR/2025/000026/PAIR)

Letter No.   04527 /RDC/ANRF-PAIR   Date: 11.12.2025

Applications are invited for the following project positions (Research Associate-III - 01, Junior Research Fellow - 02, Project Associate - 16) (Annexure I) on a purely temporary basis (Tenure: maximum 5 years, initially for 1 year, extendable based on the mutual academic satisfaction) under the ANRF-PAIR Network with National Institute of Technology (NIT), Rourkela, "NIT-PAIR" on "Consortium of Technologies for Sustainable Agriculture, Health, Energy, and Environment" as per the University and ANRF norms.

Candidates are required to send the filled-in application form (Annexure II) with all documents regarding educational qualification (mark-sheets and certificates), research papers (if any), work experience certificate (if any), as a **single PDF file** and send by email to anrf.su@gmail.com. The email subject should mention the "Advertisement No." and "Project Code". Please note that the **hard copy** of application and all the documents need to be submitted on the date of interview. No TA/DA will be paid for attending the interview.

Sambalpur University reserves the right to fix higher criteria for short-listing of eligible candidates from those satisfying the required qualifications and experiences for the project post. Only short-listed candidates will be called for the interview. In case, any clarification is required on eligibility regarding the advertised posts, the candidate may contact in the email id mentioned against the respective posts.

Age Guideline: Applicants should be below 28 years of age to be eligible for the **JRF and project associate position**, which is relaxed up to 5 years in the case of candidates belonging to Schedule Castes / Schedule Tribes / PWD and Female applicants and 3 years in the case of OBCs (non-creamy layer candidates). Upper age limit shall be calculated as on the last date of receipt of applications. For **RA-III**, the applicant should be below the age of 40 years, and 45 years in case of women candidates.

Last date of submission of Application: 28.12.2025

Registrar

Registrar
Sambalpur University
Jyoti Vihar-768019

Sambalpur University ANRF-PAIR Requirement

Emoluments and guidelines for project personnel engagements:

Research Associate-III (01 position) Rs. 67,000/- per month (consolidated)

Ph.D. in Biotechnology/Biomedical Engineering (in a science or engineering subject) or ME/MTech in Biotechnology/Biomedical engineering with three years R&D experience as on the last date of application or equivalent degree with at least one research publication in Science Citation Indexed (SCI) journal.

Junior Research Fellow (JRF) – (02 positions) Rs. 37,000/- per month for first two years and Rs. 42,000/- per month for the next three years (consolidated)

Essential qualifications:

(a) Post Graduate degree in Basic Sciences OR Post Graduate Degree in Professional Courses with a minimum CGPA of 6.0 or 55% of marks. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled, economically weaker section (EWS) and other categories of candidates as per the decision of the commission from time to time.

(b) Scholars who are selected through any of the National Eligibility Tests such as CSIR-UGC NET category II (Assistant Professorship), GATE, National Eligibility Examinations conducted by Central Government Departments and their Agencies and Institutions such as DBT, DST, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.

Project Associate – I (PA) (16 positions) Rs. 30,000/- per month (consolidated)

Essential qualifications: Post Graduate degree in basic science OR Post Graduate Degree in Professional Course with a minimum CGPA of 6.0 or 55% marks, 4 year/8 semester bachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed. A relaxation of 5% marks or its equivalent grade may be allowed for those belonging to SC/ST/OBC (non-creamy layer)/differently-abled, economically weaker section (EWS) and other categories of candidates as per the decision of the commission from time to time.

Desirable qualifications: Scholars who are selected through any of the National Eligibility Tests such as CSIR-UGC NET/UGC NET category II (Assistant Professorship), category III (for Ph.D.), GATE, National Eligibility Examinations conducted by Central Government Departments and their Agencies and Institutions such as DBT, DST, DAE, DOS, DRDO, MoE, ICAR, ICMR, IIT, IISc, IISER, NISER etc.

Note: All the selected JRF and PA will have the opportunity to register for Ph.D. programme at Sambalpur University, subject to fulfilling the University's eligibility criteria. No HRA or accommodation will be provided to selected candidates of all categories.

Project Code	Post	Broad area of research	Specific Qualifications	Co-PI
Agriculture				
A1.1	Project Associate (PA)	Modeling and Implementation of a Synthetic Microbial Consortium for Pesticide Sensing and Degradation	M.Sc. in Life Sciences/Environmental Science/ Biotechnology/Botany/Zoology or any branch of biological sciences from a recognized university or equivalent	Surya Pradhan surya@suniv.ac.in
A1.5	Project Associate (PA)	SMART AGRI-NET: AIoT-Enabled Integrated Platform for Crop Health Monitoring, Precision Farming, and Sustainable Millet Cultivation	B.Tech. in ECE/ CSE/ EEE/ EE/ M.Sc. Computer Science/ M.Sc. in Electronics / M.Tech. in Electronics/ M.Tech. in Computer Science / MCA	Prabira Kumar Sethy prabirasethy@suniv.ac.in
A3.5	Project Associate (PA)	Development of Flavored Biodegradable Cutlery Using Millet Processing By-products: A Circular Economy Approach	M.Sc. in Life Sciences/ Food Science/ Food Science Technology/Home Science with science background from a recognized university or equivalent	Pradeep K. Naik pknaik1973@suniv.ac.in
A4.1	Junior Research Fellow (JRF)	Harnessing Traditional Rice Alleles for Developing Iron-Fortified Rice to Address Iron Deficiency Anemia	M.Sc. in Life Sciences/Botany/Zoology or any branch of biological sciences from a recognized university or equivalent	Ekamber Kariali ekamberk@suniv.ac.in
A4.2	Junior Research Fellow (JRF)	A holistic approach to decipher the molecular mechanisms during Rice and Magnaporthe oryzae interactions	M.Sc. in Life Sciences/Botany/Biotechnology/ Microbiology or any branch of biological sciences from a recognized university or equivalent	Jayasree Satya Rama Devi. S sagilirama@gmail.com
A4.3	Project Associate (PA)	Sustainable agri-supply chain management through multi-objective optimization modeling: A study in Odisha	M.A. in Economics or Master in Business Administration (MBA) from a recognized university or equivalent	Tushar Kanti Das tkdas@suniv.ac.in

Project Code	Post	Broad area of research	Essential Qualification	Co-PI
Health				
H1A	Project Associate (PA)	Experimental evaluation of the impact of dietary on protein-membrane interaction and drug-binding to protein and membrane along with molecular dynamic simulation.	M.Sc. in Chemistry/ Applied Chemistry	Hirak Chakraborty hirak@suniv.ac.in
H1A	Project Associate (PA)	Design and synthesis of anticancer drug candidates and fluorescence sensors to monitor protein-protein and protein-membrane interaction	M.Sc. in Chemistry/ Applied Chemistry	Satya Narayan Sahu snsahu@suniv.ac.in
H2C	Project Associate (PA)	Development of point of care devices (PoC) for women's health monitoring	B.Tech. in ECE/ CSE/ EEE/ EE/ M.Sc. Computer Science/ M.Sc. in Electronics / M.Tech. in Electronics/ M.Tech. in Computer Science / MCA	Nalini Kanta Barpanda nkbarpanda@suniv.ac.in
H2C	Project Associate (PA)	Development of point of care devices (PoC) for women's health monitoring	B.Tech. in ECE/ CSE/ EEE/ EE/ M.Sc. Computer Science/ M.Sc. in Electronics / M.Tech. in Electronics/ M.Tech. in Computer Science / MCA	Sudarson Jena sjena@suiit.ac.in
H3A and H3D	Research Associate (RA)	Development of Bioactive Biomaterials incorporated with plant based bioactive compounds Using Recombinant DNA Technology and Bioprinting for Bone Regeneration and pilot scale process development	Ph.D. in Biotechnology/Life Sciences or any equivalent degree	Pradeep Kumar Naik pknaik1973@suniv.ac.in

Project Code	Post	Broad area of research	Essential Qualification	Co-PI
Energy				
E1.1	Project Associate (PA)	Synthesis of layered oxide cathode, perovskite oxide, and electrochemical testing	M.Sc. in Physics/ Materials Science / Nano Science	Dibakar Sahoo iamdibakar@suniv.ac.in
E1.2	Project Associate (PA)	Design and functionalization of organic and inorganic nanomaterials and investigation of electrochemical properties	M.Sc. in Chemistry/ Applied Chemistry/ Materials Science / Nano Science	Amaresh Mishra amaresh.mishra@suniv.ac.in
E1.3	Project Associate (PA)	Perovskite supported Mxene for photocatalysis	M.Sc. in Chemistry/ Applied Chemistry/ Materials Science / Nano Science	Ramnaresh Mahaling rnmahaling@suniv.ac.in
E3.8	Project Associate (PA)	Design and development of 3D printed piezoelectric nanogenerators	M.Sc. in Physics/ Materials Science / Nano Science	Banarji Behera bbanarji@suniv.ac.in
Environment				
N 1.2.3	Project Associate (PA)	Toxicity assessment of the treated chromium mine tailing water for safe disposal	M.Sc. in Environmental Science/ Life Science/ Biotechnology/ or any branch of biological sciences from a recognized university or equivalent	Birendra Behera bbehera@suniv.ac.in
N1.5	Project Associate (PA)	Bioremedial innovations for mitigating heavy metal contamination in the mining-affected ecosystems of Western Odisha	M.Sc. in Environmental Science / Life Science/ or any branch of Chemical and Biological sciences, M.Tech. in Environmental Science and Engineering from a recognized university or equivalent.	Malaya Ranjan Mahananda malaya_env@suniv.ac.in
N 1.6	Project Associate (PA)	Design and development of a hybrid model based closed loop system to manage the dynamics of trace element speciation in estuarine environments.	M.Sc. in Environmental Science / Life Science/ or any branch of Chemical and Biological sciences, M.Tech. in Environmental Science and Engineering from a recognized university or equivalent.	Malaya Ranjan Mahananda malaya_env@suniv.ac.in
N 2.1	Project Associate (PA)	Smart IoT based air quality monitoring and control system	M.Sc. in Remote Sensing and GIS/ M.Tech. in Geospatial Technology/ M.Sc. in Geology or Applied Geology	Duryadhan Behera dbehera@suniv.ac.in

Memo No.   04528   /RDC/ANRF-PAIR   Date: 11.12.2025

Copy to
1. Secretary to Vice-Chancellor SU for information
2. PA to Registrar, SU for information
3. Chairman, P.G. Council, SU for Information
4. Director, R & D Cell, SU for Information
5. Head of School of Chemistry, School of Physics, School of Life Science, School of BT &BI, Department of Environmental Sciences, Department of Anthropology, Department of Business Administration, Department of Computer Science & Application, and Director SUIIT for information
6. Director, e-Governance, Sambalpur University for uploading to the University website

Registrar

Registrar
Sambalpur University
Jyoti Vihar-768019

SAMBALPUR UNIVERSITY

Jyoti Vihar, Sambalpur, Odisha-760007, India

APPLICATION FORM

For interview-based selection under ANRF-PAIR

Grant Project No. ANRF/PAIR/2025/000026/PAIR

Theme:

1. Agriculture ☐   2. Health ☐

3. Energy ☐   4. Environment ☐

Project Code: (_____)

1. Post Applied For

☐ Research Associate-III

☐ Junior Research Fellow

☐ Project Associate

2. Personal Information

Full Name (in Block Letters): _____

Father's/ Mother's Name: _____

Date of Birth (DD/MM/YYYY): _____

Age (as on last date of Application): _____   Gender: _____

Nationality: _____

Category (UR/OBC/SC/ST/EWS): _____

Marital Status: _____   Aadhaar No.: _____

Correspondence Address: _____

Permanent Address: _____

Mobile No.:_____

Email ID: _____

3. Educational Qualifications

Examination	Board/ University	Year of passing	Percentage/ CGPA	Subjects/Specialization
10th or Equivalent				
10+2 or Equivalent				
Under Graduate				
Post Graduate				
M.Tech./M.Phil.				
Ph.D. (for RA III)				

4. NET/GATE/Similar Examination qualification details

Examination	Qualifying Status	Year/Month	Subject	Score/ Rank/ Percentile/ Percentage	Validity

5. Experience Details

Designation	Institution/ Organization	Duration (From-To)	Total period	Nature of Work/Key Responsibility

(Add additional rows if required)

6. Publications/Research Output (if applicable)

List up to five most relevant publications or attach a complete list as an annexure.

Sl. No.	Title of paper	Journal name, Vol., Year	DOI/ ISSN

6. Reference

Name	Designation	Institution	Email/Contact No

8. Declaration

I do hereby declare that all the information provided above is true and complete to the best of my knowledge and belief. I understand that any false information or suppression of facts will disqualify me from consideration or result in termination if appointed.

Date: _____

Place: _____

Signature of applicant: _____