

QUALIFICATION, EXPERIENCE AND OTHER DETAILS

Sr. No.	Qualification / Experience / Job Description
1.	<p>Chief Scientific Officer (PPS-12) This position is three years term or till continuation of the project</p> <p>Qualification:</p> <p>A qualified person with PhD in Biotechnology/Chemistry having an extensive managerial, research and industry experience (15 years); familiarity with regulatory, innovative research, business marketing concepts and fundraising.</p> <p>However, the preference will be given to</p> <p>the incumbent having at least 15 relevant research publications in scientific peer-reviewed journal in the fields of biotechnology, and bio/chemical processing for product development and having additional experience of working with or consulting industries at national/international level, and international organizations.</p> <ul style="list-style-type: none">• Extensive experience of research in biotechnology, biochemical processing for bio product development at national and international level.• Experience of working with or consulting national/international industries for research based bio product development.• Experience of working as head of some research institute for bio product development and commercialization, and must be well updated with prevailing research trends and regulatory matters to keep the project objectives aligned with university strategic planning and completed within the project duration.• Experience of overseeing the administrative duties and research activities of a research institute.• Track record of peer reviewed publications in the fields of biotechnology and biochemical processing for bio product development. <p>Duties/Job Description:</p> <p>This 3-year term position or till the continuation of the project is required to play leading role to head the NCIB for innovative research, industrial collaboration at national/international level and commercialization of the bio products to be developed at NCIB.</p> <p>S/He will provide leadership and overall direction for NCIB and oversee the institutional research planning and business development activities. CSO will be responsible for envisioning and developing research capabilities, for developing evidence of the validity and utility of research products, and for commercialization. Furthermore, will communicate with the scientific and general public communities concerning capabilities and scientific product offerings. Candidate must be familiar with the regulatory matters, business marketing concepts and fundraising. He/She will be responsible for smooth, well planned and goal-oriented research activities at NCIB leading to product development according to project objectives documented in PC1. Furthermore, he/she must have strong communication skill to present scientific achievements at the forum of scientific and general public communities concerning capabilities and scientific product offering.</p>

2.

Technical Director (PPS-10)

Qualifications:

A qualified person with PhD in fields related to Biotechnology/Biochemistry/Molecular Genetics having an extensive managerial, research and industry experience (10 years); demonstrated ability to conduct analytical design and testing, expertise in extraction technologies at scale and the ability to design and implement quality control assurance plan.

However, preference will be given to the candidate with minimum qualifications include with postgraduate degree preferably Ph. D in Biotechnology/Pharmacy/Chemistry with 15 years research experience and minimum 10 relevant research publications in scientific peer-reviewed journal in chemistry, extraction technologies/ phyto remediation, phycochemistry (algae's, natural products, secondary metabolites). The incumbent is expected to have experience in;

- Hands-on experience in biomass processing, extraction techniques / solvent free extraction/Column Chromatography/ Purification and Chemical Characterization of Compounds/ Analytical Techniques (Gas and High-performance liquid chromatography (HPLC), Atomic Absorption, ICP, spectroscopy (Infrared and ultraviolet,) and Mass spectrometry.
- ISO/IEC 17025:2017
- Author technical documents, including SOPs, that describe experimental methods and operation of laboratory instruments/equipment or systems. Method and process validation.
- Have an excellent network of international contacts with a range of specialties in the discipline
- S/He will have to manage and lead staff and manage other resources, including budget preparation, management and control. S/He will have to actively participate in ongoing research project activities and strive for grants for new ones.

Strong knowledge about Food, Pharmaceuticals and Laboratory QMS.

Duties/Job Description:

The National Centre for Industrial Biotechnology (NCIB), PMAS- Arid Agriculture University, Rawalpindi seeks a Technical Director (PPS-10), for research and development under Pilot Extraction Facility of NCIB using medicinal plants biomass for extraction of high market value compounds. This position is three years term or till continuation of the project. The incumbent is expected to play a liaison role between Chemistry, Biotechnology, Tissue culture, and Hydroponic sections of NCIB. The incumbent is also expected to contribute to on-going research program development and supervision of research staff. Must have experience of technology transfer and laboratory qualification, IQ/OQ/PQ, Manage & coordinate all validation activities (method, product, process & cleaning), Knowledge of EHS system and its implementation. Direct the human resource management function for the site/s by coordinating the selection, promotion, orientation and performance appraisal processes. Building teamwork, collaboration and people engagement, Ensure that all of the staff have equal access to development opportunities, Provide opportunities for development through tools assignments, mentoring and coaching relationships. Must have experience of conducting and monitoring stability studies. The successful candidate is expected to develop an externally funded, self-sustaining research program with industrial collaboration that addresses for extraction and purification of high market value compounds. H/she will be responsible to work on plant/microbial biomass for Extraction and purification of high market value compounds and development of new industrial/pharmaceutical products. Industry collaboration and interdisciplinary approaches are strongly encouraged. Secondary responsibilities include representation of PMAS-Arid University at workshops, on

3.	<p>Scientific Officer (PPS-7) This position is three years term or till continuation of the project</p> <p>Digital Agriculture Section</p> <p>Qualification:</p> <p>A qualified person with 18 years of relevant education, having a relevant experience in research and development.</p> <p>S/He will have to device research proposals and projects as desired. S/He will also supervise the implementation of programs and coordinate the work between different labs and phases of the research for maximum efficiency and progress. S/He will then have to report to the executives about the results.</p> <p>However, the preference will be given to</p> <p>A PhD or MS with two-year experience in Computer Engineering / Information Technology / Software Engineering/ Agricultural Engineering / Mechatronics from HEC recognized university or institute, may have experience in internet of things (IoT) / sensors / software development. The person should be active researcher in the desired field. The incumbent may have ability or potential to develop a nationally and internationally recognized research program; to obtain and sustain competitive research grants by leading multidisciplinary teams; to publish original research in peer-reviewed journals.</p> <p>Duties/Job Description:</p> <p>This 3-year term position or till the continuation of the project is required to contribute to research and development. The successful candidate is expected to develop complete digital infrastructure for agriculture domain ranging from laboratory experiments to field cultivation and harvesting. Industry collaboration and inter-disciplinary approaches are strongly encouraged. Secondary responsibilities include representation of PMAS-AAUR at workshops, on committees, task forces, and external bodies related to precision/digital agriculture and biological systems. The candidate shall also contribute to on-going research program development and supervision of undergraduate research projects and graduate students. The selected candidate will device research proposals, draft projects and report writing as desired. S/He will also supervise the implementation of programs and coordinate the work between different labs and phases of the research and development for maximum efficiency and progress. S/He will then have to report to the executives about the results and progress.</p>
4.	<p>Computer Assistant (PPS-4)</p> <p>Intermediate or equivalent qualification with at least 2nd division from a recognized board. Typing speed of 40 words per minute along with certificate of computer course.</p> <p>However, the preference will be given to</p> <p>the incumbent having knowledge of MS-office and other related software.</p>