


Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

MAY 16 2018

**MEMORANDUM**

FOR : DR. REYNALDO V. EBORA, PCAARRD  
ENGR. RAUL C. SABULARSE, OIC, PCIEERD  
DR. MARIETA B. SUMAGAYSAY, NRCP  
DR. JOEL JOSEPH S. MARCIANO, JR., ASTI  
DR. ROMULO T. AGGANGAN, FPRDI  
DR. ANNABELLE V. BRIONES, OIC, ITDI  
ENGR. ROBERT O. DIZON, MIRDC  
DR. CARLO A. ARCILLA, PNRI  
MS. CELIA B. ELUMBA, PTRI  
DR. VICENTE B. MALANO, PAGASA  
DR. RENATO U. SOLIDUM, JR., OIC, PHIVOLCS  
MS. LILIA T. HABACON, PSHS System  
MR. RICHARD P. BURGOS, STII  
ENGR. EDGAR I. GARCIA, TAPI

FROM :  **TEODORO M. GATCHALIAN, PhD**  
Assistant Secretary for Administration

DATE : 08 May 2018

SUBJECT : **POSTING OF ANNOUNCEMENT OF VACANCY**

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May we request your favorable consideration for the posting of the attached Notice of Vacancy for the following vacant positions of the Department of Science and Technology – Central Office, in your respective agency bulletin boards and websites:

1. Six (6) Assistant Scientists (SG-24)
2. Eight (8) Associate Scientists (SG-25)

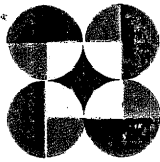
Thank you.

Department of Science and Technology  
Personnel Division (PD)



PD-18-00776

15 May 2018 11:16:44 AM



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

25 April 2018


**DR. TEODORO M. GATCHALIAN**  
Assistant Secretary for Administration  
Department of Science and Technology

Dear Asst. Secretary Gatchalian:

This refers to the filling up of the vacant six (6) Assistant Scientist and eight (8) Associate Scientist positions. Please find attached the Call for Applicants indicating the general qualifications of the position and the additional requirements of the identified recipient agencies. We hope that the Call will be posted on or before April 30, 2018.

Thank you.

Sincerely yours,

  
**ROWENA CRISTINA L. GUEVARA**  
Undersecretary for R&D

Department of Science and Technology  
Office of the Undersecretary for Research and Development



OUSECRD-18-00307  
27 April 2018 2:14:15 PM

Head Office: Gen. Santos Ave., Bicutan, Taguig City  
Website: [www.dost.gov.ph](http://www.dost.gov.ph)

Postal Address: P.O. Box 3596 Manila  
Tel. No. 837-2071 to 82 / 837-3171 to 89

## Call for Applicants to the Assistant Scientist and Associate Scientists Positions

The Office of the Secretary, Department of Science and Technology (DOST), is looking for qualified personnel to fill up the available Assistant Scientist and Associate Scientist positions. Agency employees with the following qualifications are encouraged to apply:

Particulars	Assistant Scientist (SG-24)	Associate Scientist (SG-25)
Education	Master's degree in the fields of natural, physical or engineering sciences relevant to the job or its equivalent	Doctoral degree in the fields of natural, physical or engineering sciences relevant to the job
Experience	At least 10 years of productive professional research and development (R&D) work in related field after obtaining the MS degree	Five (5) years of relevant experience after obtaining the PhD degree
Training	24 hours of relevant training	32 hours of relevant training
Eligibility	RA1080/Career Service Professional	PD 997/RA 1080/Career Service Professional
Terms of Reference	<ul style="list-style-type: none"> <li>• Assist the DOST/Agency in the development, coordination and supervision of S&amp;T activities</li> <li>• Collaborate with various offices/institutions regarding the implementation, evaluation and monitoring of programs/projects and/or conduct R&amp;D on specific priority areas</li> <li>• Provide technical assistance to co-workers/peers</li> <li>• Participate in other special studies and assignments given by the DOST Secretary/Agency Head</li> </ul>	<ul style="list-style-type: none"> <li>• Conceptualize, plan, direct and supervise S&amp;T activities on specific priority areas</li> <li>• Coordinate the systematic and periodic evaluation and monitoring of programs/projects and/or conduct R&amp;D on specific priority areas</li> <li>• Provide technical assistance to co-workers/peers</li> <li>• Provide technical support to the DOST Secretary/Agency Head</li> </ul>
Required Submissions	At least one published research paper/article, excluding thesis/dissertation, in refereed journals as sole author or co-author even before or after obtaining the MS degree	At least two (2) published research paper/article, excluding thesis/ dissertation, in refereed journals as sole author or co-author even before or after obtaining the PhD degree

The additional requirements of the recipient agencies is hereby attached for reference and guidance.

Interested applicants are invited to submit the application on or before **30 May 2018** to:

**The DOST Personnel Division  
2<sup>nd</sup> Floor, Platinum Building  
Metals Industry Research & Development Center  
Department of Science and Technology  
Gen. Santos Avenue, Bicutan  
Taguig City 1631  
Tel. No. 837-2071 to 82 loc. 2051/2053**

  
**TEODORO M. GATCHALIAN**  
Assistant Secretary for Administration



### Additional Requirements for Assistant Scientist Positions

Agency	Requirements
Office of the Undersecretary for Disaster Risk Reduction (1 Slot)	<ul style="list-style-type: none"> <li>• PhD or DSc in the natural, applied or social science;</li> <li>• Expertise and published work includes interactions between climate change adaptation and disaster risk management with communities, or science, technology and innovations in understanding and addressing disaster and climate risks and human vulnerabilities</li> <li>• At least 5 years work experience in (DRR-CC specialization)</li> <li>• At least 10 years work experience in research project development and management, with at least 5 years of those in supervising junior research staff, and managing externally-funded research grants</li> </ul>
ITDI (2 Slots)	<ul style="list-style-type: none"> <li>• Expertise in the area of food science:            Education: Preferably PhD in Food Science or Food Microbiology            Experience: With industry experience in food manufacturing &amp; food product evaluation.            With relevant experience in risk assessment.            Familiar with thermal evaluation and validation procedures</li> </ul> <p>General Description:            The position requires working with R&amp;D teams on the following:</p> <ol style="list-style-type: none"> <li>1. qualitative risk assessment related to food safety in processing, packaging, and holding/storage of processed food,</li> <li>2. science-based risk analysis of processed food to satisfy requirements of the FDA in relation to Food Safety Law</li> <li>3. establishment of thermal process with the aim of producing food products with better sensory qualities, higher retention of vitamins and micronutrients, and lower energy usage.</li> <li>4. microbiological risk assessment that would ensure the production of safe foods that considers the following components: hazard identification and characterization, exposure assessment and risk characterization</li> <li>5. research studies on isolation, characterization and sterilization of microorganisms from local food products subjected to thermal processing.</li> </ol> <ul style="list-style-type: none"> <li>• Expertise in the area of environment and biotechnology:            Education: MS/PhD in Biotechnology or related field            Experience: Extensive R&amp;D experience in the following area: creation of enzymes, study of catalytic mechanisms, bioengineering process design, thermodynamics, and protein biocatalysis</li> </ul>

<p>PAGASA (1 Slot)</p>	<ul style="list-style-type: none"> <li>• Education: Must be a Ph.D. degree holder in the field of meteorology or Climatology;</li> <li>• Experience: At least five (5) years</li> <li>• Must be a principal author or co-author of at least three (3) research papers/publications in a peer-reviewed or refereed journal for the last five (5) years;</li> </ul>
<p>PTRI (1 Slot)</p>	<ul style="list-style-type: none"> <li>• Preferably an expert on polymer chemistry or material science, or environmental science or related courses that can evaluate the environmental impact of PTRI processes/products using tools like Life Cycle Assessment (LCA)</li> <li>• Must have ISI-peer reviewed publication and approved process patent</li> </ul>
<p>FPRDI (1 Slot)</p>	<ul style="list-style-type: none"> <li>• Education: Preferably Ph.D graduate related to nanotechnology or advanced composites of wood and non-wood forest product</li> <li>• Experience: Has experience in research in wood and non-wood forest products</li> </ul>
<p>NCBP (1 Slot)</p>	<ul style="list-style-type: none"> <li>• At least MS Degree holder in the field of natural or physical sciences</li> </ul>

### Additional Requirements for Associate Scientist Positions

Agency	Requirements
FNRI (1 Slot)	<p>Education: Preferably Ph.D. in Nutrition/Applied or Nutrition Epidemiology                      Experience: 5-10 years of relevant experience; Has published at least six (6) manuscript in scopus, peer reviewed journals</p>
PNRI (2 Slots)	<p>Must have expertise in the following areas:</p> <ol style="list-style-type: none"> <li>1. Nuclear and radiation safety: Nuclear reactor physics and safety; environmental impact assessment related, but not limited to nuclear and radiation sources; environmental dose assessments; knowledge of international nuclear regulatory standards related to nuclear facilities.</li> <li>2. Marine Radioecology and Radiometry: Marine biogeochemistry of stable and radioactive nuclides; radioecological risk analysis; perform basic nuclear instrumentation analyses: i.e. High Purity Germanium Detectors (HPGe), gamma counters, Liquid Scintillation Counters (LSC), X-Ray Fluorescence Spectroscopy (XRF), Isotope-Ratio Mass Spectrometry, Alpha Counters; chemical, radiochemical a fingerprinting and dating techniques in the study of marine pollution/contamination, including tracing ocean circulation and water mass mixing; contaminant transport models and their applications; radiological dose assessments via aquatic pathways.</li> </ol>
MIRDC (2 Slots)	<p>Education: Preferably a Ph.D. holder in the field of Advanced Mechatronics, Robotics &amp; Industrial Automation or in the field of Surface Engineering &amp; Finishing</p>
ASTI (2 Slots)	<ul style="list-style-type: none"> <li>• Must have expertise on the following:                             <ul style="list-style-type: none"> <li>• Data science and analytics, machine learning and computing                                     <ul style="list-style-type: none"> <li>○ Strong mathematical and analytical skills, computer programming competency, knowledge of computer languages, familiarity with cloud technologies and applications, good communication and leadership skills are required.</li> </ul> </li> <li>• Electronic embedded systems design and development                                     <ul style="list-style-type: none"> <li>○ Competency required in electronic circuit design, FPGA/ASIC, microprocessor technologies, programming languages (C/C++/C#, assembly), firmware development tools, system-level EDA tools (e.g. Cadence Allegro/OrCAD, SPICE), component-level tools (VHDL, Verilog and FPGA/ASIC Toolchain), Windows OS, UNIX/LINUX, embedded OS/RTOS.</li> <li>○ Problem solving and data analysis skills and good communication skills, particularly technical writing and documentation skills, are essential.</li> <li>○ Proficiency in the operation of test and measurement equipment such as spectrum analyzers, vector network analyzers, vector signal generators, vector signal analyzers and logic analyzers and in the electronics manufacturing process also desired.</li> </ul> </li> </ul> </li> </ul>

	<ul style="list-style-type: none"><li>○ Prior project management experience in embedded systems development and background in radio frequency (RF) and wireless communications are advantages.</li><li>● Candidates are expected to provide technical leadership and/or mentoring of development teams and must be highly organized, systematic, flexible and goals and results-oriented.</li></ul>
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