

Accreditation of Microbiologists in the Food and Pharmaceutical Industries¹



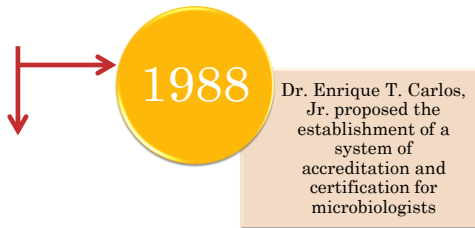
Virginia L. Barraquio, PhD, FPAM²

¹ Paper presented in the National Academy of Science and Technology (NAST) Round Table Discussion on "Assessment of the Microbiological Needs of the Industry", January 27, 2014, Acacia Hotel, Alabang, Muntinlupa City.

² Professor, University of the Philippines Los Baños, Fellow and Chair, Philippine Academy of Microbiology (PAM).

2 History of the Philippine Academy of Microbiology

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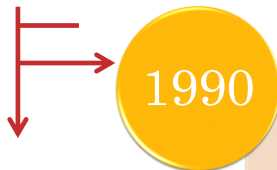
1990

The committee was composed of:

- Dr. E.T. Carlos, Jr. (Chair)
- Dr. M.T. Zafaralla (Co-Chair)
- Prof. W.L. Fernandez (Member)
- Dr. A.D. Bustrillos (Member)

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1990

The committee proposed "National Registry of Microbiologists" to be composed of Registered and Specialist Microbiologists

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1990

Administered by a body to be called "Philippine Academy of Microbiology"

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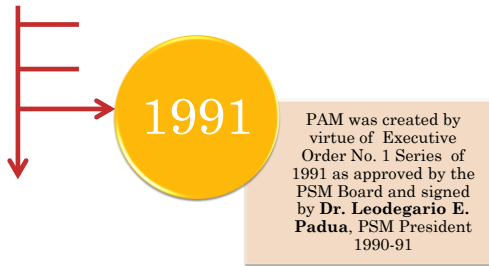
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The concept of the Academy takes off from that of the American Academy of Microbiology (AAM) which, through the American Society for Microbiology (ASM),

certifies individuals showing suitable education and experience in a variety of microbiology specialties and subspecialties.

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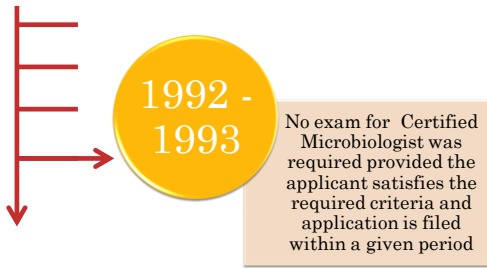
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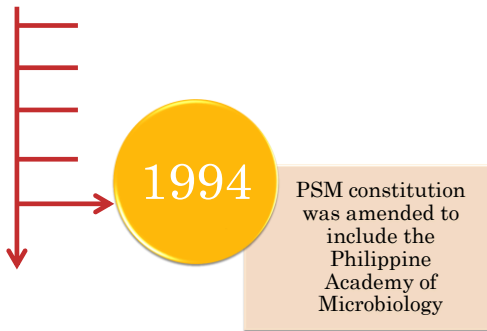
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Amendment of the PSM Constitution, mandated the formation of PAM, as an **academic and accrediting arm of the Philippine Society for Microbiology (PSM), Inc.**

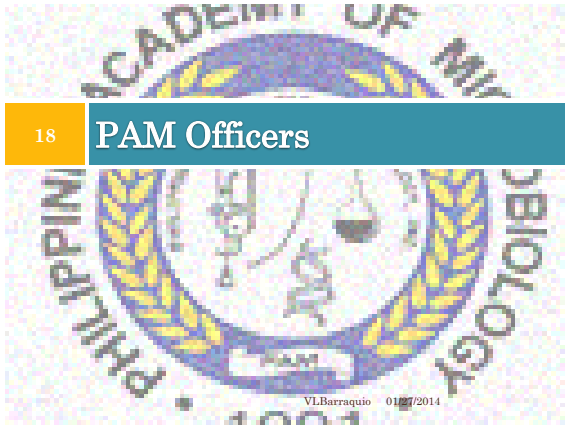
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Objectives of PAM

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- To develop and maintain a high standard of practice in the field of microbiology
- To accredit, certify and classify life members of the society according to the defined standards and qualification requirements which may include written and/or oral examination
- To formulate rules, regulations and guidelines relative to accreditation, certification and membership to the PAM

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PAM Officers

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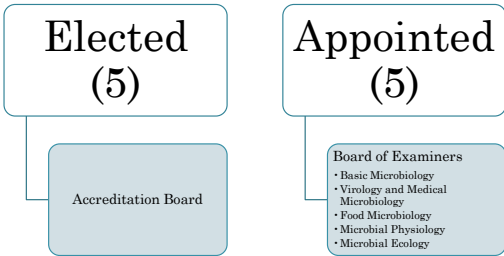
Elected Council of Regents

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- Chair
- Vice Chair
- Secretary
- Treasurer
- PRO
- Auditor

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Functions of the Accreditation Board

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- Evaluate nominees for PAM membership
- Evaluate applicants for PAM accreditation examination
- Submit the list of qualified applicants / nominees to the PAM

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Functions of the Board Examiners

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- Preparation of examination questions
- Supervision of examination with the assistance of the Council of Regents
- Checking of examination papers and submission of report / recommendation of candidates for Registered Microbiologists to the Council of Regents within 20 days after the examination

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Council of Regents (1991-92)

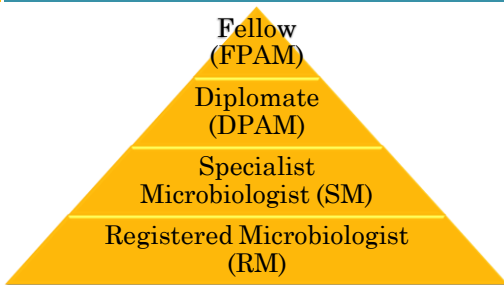
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Chair	Dr. Enrique T. Carlos Jr.
Vice Chair	Dr. Teodulo M. Topacio, Jr.
Secretary / Treasurer	Dr. Lydia M. Joson
PRO / Business Manager	Dr. Saturnina C. Halos
Auditor	Dr. Leodegario E. Padua

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Certification Categories


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Certification Procedures


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June 1994
Deadline for no examination for Certified Microbiologist



July 1994
First batch of RM and SM were sworn in at ITDI-DOST



1997
Conferment of DPAM and FPAM was approved by the PSM Board to be part of PSM Annual Convention

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Standardization of Microbiology Curriculum



A workshop chaired by Dr. Asuncion K. Raymundo, on “Standardization of Microbiology Curriculum and Basic Microbiology Courses in the Philippines” was held in UPLB in 2000.

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Standardization of Microbiology Curriculum



It aimed to ensure that the subject matter covered in the accreditation examination is covered in all Microbiology curricula.

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19 Workshop Participants

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UP Los Baños
UP Diliman
De La Salle University
University of Santo Tomas
Ateneo de Manila
Central Luzon State University
Cavite State University
Cagayan State University
Central Mindanao University
Pamantasan ng Lungsod ng Maynila
University of Eastern Philippines
Xavier University
UP Visayas

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Workshop Output / Proposals

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- Basic Microbiology Lecture Course Content (2 unit course)
- Basic Microbiology Laboratory Course Content (1 unit course)
- Second Microbiology Course for Curricula with only one Basic Microbiology Course
- Course Descriptions of Required Microbiology Courses for BS Biology major in Microbiology

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Standardization of Microbiology Curriculum

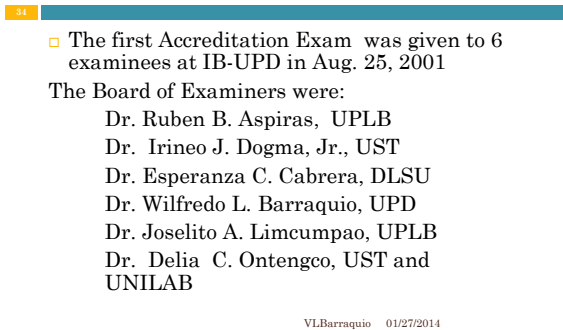
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To date, PAM Examination has not included Microbial Genetics. It is postponed until different institutions can offer it.

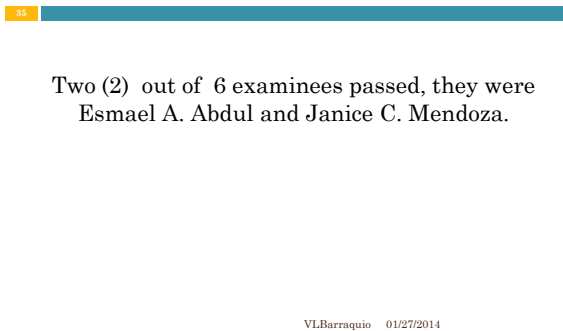
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Accreditation Examination



Accreditation Examination





36 Efforts to Regulate the Practice of Microbiology



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July 20, 2001
 Drs. Ruben B. Aspiras, Rafael B. Rodriquez and Wilfredo L. Barraquio drafted the bill regulating the practice of Microbiology in the Philippines

2006-2008
 HB No. 2190 by Cong. Joaquin Chipeco and HB No. 2354 by Cong. Carlos Padilla

April 27, 2009
 Microbiology Act of 2008 was received in the office of Cong. Justin Chipeco

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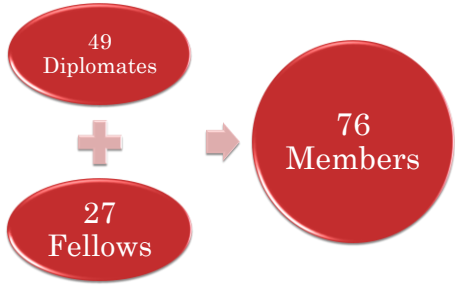
HB 842 or Microbiology Act of 2010

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July 6, 2010
 HB 842 introduced by Cong. Angelo Palmones was filed.
 • This act provides for the creation and composition of the Board of Microbiology: Chair and 2 Members appointed by the President of the Philippines from recommendees of PRC from nominees of PAM.

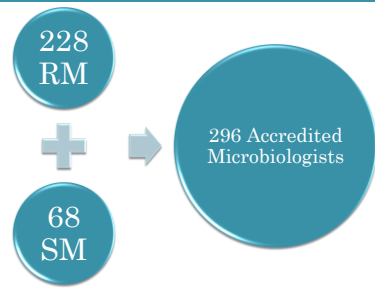
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PAM Members



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Accredited Microbiologists



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Demand for Accredited Microbiologists



The Philippine Accreditation Office (PAO),
LA-SR02- Supplementary Requirements for
Accreditation in the Field of Biological
Testing:

- 5. Technical Requirements
- 5.2 Personnel
- 5.2.1 Staff competence and technical control

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5.2.1 Staff competence and technical control



The laboratory shall be under the supervision of the officer **who has the education, experience and training in relevant discipline sufficient to meet the membership of an appropriate professional body** (LA/SR02/Issue2/December 2009).

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The PAO will recognize **PAM accreditation as one of the requirements for laboratory personnel** of laboratories seeking accreditation if PAM will continue the accreditation of Microbiologists.

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References



- PAM. 2001. Manual of Operations (Revised 5/21/2001)
- Sanchez, P.C. 2004. PAM Handbook First Edition, 52 pages
- Raymundo, A.K., L.M. Tapay and E.C. Cabrera (eds.).2000. Proceedings of the Workshop on Standardization of Microbiology Curriculum and Basic Microbiology Courses in the Philippines, UPLB, College, Laguna, April 17-18, 2000
- PAM. 2013. Souvenir Program, PAM 22nd Annual Meeting , Symposium on: "Status Review of Microbiology Researches in the Philippines", April 17, 2013, Diamond Hotel, Manila

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