

**ERACOL| Research lines UNIVERSITY OF PANAMA**

Updated 2010-04-23

**General information**

<b>Institution:</b>	University of Panama
<b>City:</b>	Panama
<b>Country:</b>	Panama

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<b>1. research line 1:</b>
Health and nutrition
<b>2. general description of the research line:</b>
We work on characterization of composition and nutritive value of foods and also foodborne diseases and food safety.
<b>3. specific subtopics within the research line:</b>
<ul style="list-style-type: none"> <li>• Food fortification with vitamins and minerals</li> <li>• Subclinical and chronic malnutrition caused by inadequate food intake (deficit or excess)</li> <li>• Nutritional assessment and identification of nutritional requirements of people with intense physical activity in Panama</li> <li>• Design and Development of New Food Products</li> <li>• Food Safety</li> <li>• Foodborne diseases and food safety</li> <li>• Detection of pathogens and/or food indicators</li> <li>• Composition and nutritive value food</li> <li>• Food toxicology</li> <li>• Quality control in foods</li> </ul>
<b>4. contact person for interested students/teaching staff:</b>
Dr. Juan A. Gomez <a href="mailto:juanay@hotmail.com">juanay@hotmail.com</a> phone (507) 523-5322
<b>5. Field of research (for example: epidemiology, public health, statistics, medicine):</b>
Public health, food chemistry and technology
<b>6. for which levels the research line is applicable (undergraduate, master, doctorate, post-doctorate/teaching staff)</b>
Master, doctorate and teaching staff

<b>1. research line 2:</b>
Vectors borne diseases
<b>2. general description of the research line:</b>
We investigate and either prevent or control diseases that are transmitted by arthropod and the environmental factors that are related with diseases emergence in people.
<b>3. specific subtopics within the research line:</b>
<ul style="list-style-type: none"> <li>• Medical entomology</li> <li>• Management and vector</li> <li>• Forensic medical entomology</li> <li>• Association between infectious agents, vectors , reservoirs and environmental factors</li> </ul>
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Dr. Juan A. Gomez <a href="mailto:juanay@hotmail.com">juanay@hotmail.com</a> phone (507) 523-5322
<b>5. Field of research (for example: epidemiology, public health, statistics, medicine):</b>
Epidemiology, vector control
<b>6. for which levels the research line is applicable (undergraduate, master, doctorate, post-doctorate/teaching staff)</b>
Master, doctorate and teaching staff

<b>1. research line 3:</b>
Dental Health
<b>2. general description of the research line:</b>
We work on prevention control of oral diseases and conditions and reduce disparities by building the knowledge, tools, and networks that promote healthy behaviors and effective public health practices and programs.
<b>3. specific subtopics within the research line:</b>
<ul style="list-style-type: none"> <li>• Periodontal diseases</li> <li>• Pre-and postoperative tissue regeneration</li> <li>• Bone tissue regeneration and post oral rehabilitation</li> <li>• Malocclusion</li> <li>• Risk factor and prevention</li> </ul>
<b>4. contact person for interested students/teaching staff:</b>
Dr. Juan A. Gomez <a href="mailto:juanay@hotmail.com">juanay@hotmail.com</a> phone (507) 523-5322
<b>5. Field of research (for example: epidemiology, public health, statistics, medicine):</b>
Dentistry, oral care
<b>6. for which levels the research line is applicable (undergraduate, master, doctorate, post-doctorate/teaching staff)</b>
Master, doctorate and teaching staff

<b>1. research line 4:</b>
Health related microbiology
<b>2. general description of the research line:</b>
We conduct research on microorganisms that affect human health and diagnostic methods, sources of contamination and etiology of such diseases.
<b>3. specific subtopics within the research line:</b>
<ul style="list-style-type: none"> <li>• Water environmental microbiology</li> <li>• General mycology</li> <li>• General parasitology</li> <li>• Public health microbiology</li> <li>• Identification of foodborne pathogens</li> <li>• Biotechnology</li> </ul>
<b>4. contact person for interested students/teaching staff:</b>
Dr. Juan A. Gomez <a href="mailto:juanay@hotmail.com">juanay@hotmail.com</a> phone (507) 523-5322
<b>5. Field of research (for example: epidemiology, public health, statistics, medicine):</b>
Medical microbiology
<b>6. for which levels the research line is applicable (undergraduate, master, doctorate, post-doctorate/teaching staff)</b>
Master, doctorate and teaching staff

<b>1. research line 5:</b>
Health: Diagnosis, prevention and treatment
<b>2. general description of the research line:</b>
It deals with prevention, diagnosis and treatment of health based on an integrated approach.
<b>3. specific subtopics within the research line:</b>
<ul style="list-style-type: none"> <li>• Industrial hygiene and safety in construction</li> <li>• Health, women and development</li> <li>• Medical physics</li> <li>• Studies of drug use and pharmacovigilance</li> <li>• Treatment of disability</li> <li>• Bioethics</li> </ul>
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<b>5. Field of research (for example: epidemiology, public health, statistics, medicine):</b>
Public Health
<b>6. for which levels the research line is applicable (undergraduate, master, doctorate, post-doctorate/teaching staff)</b>
Master, doctorate and teaching staff

<b>1. research line 6:</b>
Environment and Health
<b>2. general description of the research line:</b>
It deals with the inner close relation between environment and development as a primary basis for human health.
<b>3. specific subtopics within the research line:</b>
<ul style="list-style-type: none"> <li>• Health, environment and human development</li> <li>• Environmental pollution</li> <li>• Identification of hazardous chemical contaminants in environmental strata</li> </ul>
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Dr. Juan A. Gomez <a href="mailto:juanay@hotmail.com">juanay@hotmail.com</a> phone (507) 523-5322
<b>5. Field of research (for example: epidemiology, public health, statistics, medicine):</b>
Public Health, ecology
<b>6. for which levels the research line is applicable (undergraduate, master, doctorate, post-doctorate/teaching staff)</b>
Master, doctorate and teaching staff