

# Picturins and Pictuseptins, two novel antimicrobial peptide families from the skin secretions of the Chachi treefrog, *Boana picturata*

[Picturins and Pictuseptins, two novel antimicrobial peptide families from the skin secretions of the Chachi treefrog, \*Boana picturata\* - PubMed \(nih.gov\)](https://pubmed.ncbi.nlm.nih.gov/35640793/)

The screenshot shows a PubMed article page. The title is "Picturins and Pictuseptins, two novel antimicrobial peptide families from the skin secretions of the Chachi treefrog, *Boana picturata*". The authors listed are Giovanna Morán-Marcillo, Verónica Sánchez Hinojosa, Nina Espinosa de Los Monteros-Silva, Allin Blasco-Zúñiga, Miryan Rivera, Renato E Naranjo, José Rafael Almeida, Lei Wang, Mei Zhou, Tianbao Chen, Chris Shaw, and Carolina Proaño-Bolaños. The article is from *Proteomics*, 2022, Jul 30;26(4):104633. The abstract describes the discovery of three new peptide families: Picturins (PTR), Pictuseptins (PTS), and Boanins (BNS). PTR is a 25-mer peptide with a conserved N-terminal sequence (GVFKDALKQ) and a C-terminal sequence (AANALKPK). PTS consists of three peptides (PTS-1, -2, -3) with conserved regions. BNS consists of four peptides (BNS-1, -2, -3, -4) with conserved regions. The peptides were characterized by their antimicrobial and haemolytic activity against *Escherichia coli* and *Staphylococcus aureus*. The article also mentions the biological significance of these peptides as potential anti-infective drugs.

The screenshot shows a ResearchGate article page. The title is "Water table depth modulates productivity and biomass across Amazonian forests". The authors listed are Thalane Rodrigues de Sousa, Juliana Schiatti, Igor Oliveira Ribeiro, and Thaise Emílio. The article is from *Global Ecology and Biogeography*, May 2022. The abstract states that water availability is the major driver of tropical forest structure and dynamics. The article also includes a "Request full-text PDF" button and a "Download citation" button.

This is another view of the ResearchGate article page for "Water table depth modulates productivity and biomass across Amazonian forests". It shows the article title, authors (Thalane Rodrigues de Sousa, Juliana Schiatti, Igor Oliveira Ribeiro, Thaise Emílio), and a "Request full-text PDF" button. The abstract is partially visible, starting with "Water availability is the major driver of tropical forest structure and dynamics. Most research has focused on the impact of climate variability on tropical forests, but the impact of water availability on productivity and biomass is less understood." The page also includes a "Download citation" button and a "Copy link" button.