

TENTACULITA'S CLASS IN PONTA GROSSA FORMATION (PARANÁ BASIN, BRAZIL): A SYSTEMATIC REVISION PROPOSAL

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THIS IS A SYSTEMATIC REVISION PROPOSAL ABOUT THE REPRESENTANTS OF THE TENTACULITA'S CLASS, OCCURRING IN THE PONTA GROSSA FORMATION, FROM PARANÁ BASIN. TENTACULITA'S WERE A KIND OF MARINE INVERTEBRATE, NOW EXTINCT, THAT WERE GREATLY AND GEOGRAPHICALLY DISTRIBUTED BETWEEN ORDOVICIAN AND DEVONIAN, WHEN THEN THEY SPREADED OUT ALONG THE SHALLOW SEA OF BOTH HEMISPHERE, WHERE THEY REPRESENTED A SIGNIFICANT BIOSTRATIGRAPHIC VALUE. IN PARANÁ BASIN, THE TENTACULITA'S OF PONTA GROSSA FORMATION HAVE BEEN ALREADY MENTIONED IN SOME WORKS OF SYSTEMATIC AND STRATIGRAPHY, WHERE THOSE WERE ONE MORE OF VARIOUS GROUPS OF FOSSILS WITH IMPORTANT PRESENCE IN THIS FORMATION, WITHOUT REACHING THE HEART OF THEIR SINGULARITY TAXONOMIC. FROM THIS POINT OF VIEW THE PRESENT STUDY STARTED WITH THE PURPOSE OF AN ACCURATE REVISION OF THE INNUMEROUS BUT YET BADLY PRESERVED SPECIMEN OR SAMPLE OF PARANÁ BASIN. FROM A COMPARACTIVE FORM WAS MADE AN OBSERVATION OF THE PRINCIPAL CHARACTERS MORPHOLOGIC, WHICH COULD MAKE AN INDIVIDUALIZATION OF SPECIMEN. THEN WAS TRIED TO DEFINE THE SYSTEMATIC RELATIONS OF THE SPECIMEN, AS WELL AS THEIR AGE, STRATIGRAPHYC'S DISTRIBUTION AND PALEOBIOGEOGRAPHIC'S IMPLICATION. THE STUDY OF TENTACULITA FROM PONTA GROSSA FORMATION GAVE WAY TO DIFFICULTIES AND SINGULARITIES OF THE MALVINOCAFFRIC REALM, WHERE THE ENVIRONMENT IMPOSED A LOW DIVERSITY OR DISSIMILITUDE TAXONOMIC TO OR IN MARINE FAUNA. IN THE GROUP STUDIED THIS IS CORROBORATED OR CONFIRMED BY THE NUMBERS OF IDENTIFIED SPECIMEN: TENTACULITES CROTALINUS AND TENTACULITES JACULUS. THERE IS ALSO THE NECESSITY OF NEW METHODOLOGICS OR PROCEDURE TO BETTER EVALUATED THE POTENTIAL BIOSTRATGRAPHIC OF DEVONIAN TENTACULITA'S FROM PARANÁ BASIN.