

**MOLECULAR IDENTIFICATION OF SOME ISOLATES OF PSEUDOMONAS AERUGINOSA ISOLATED FROM PROCESSED FOODS** Dalia, A.A.Moustafa\*; MJVL Hazaa\*; Kh.A. El-Doug doug \*\*; Nahed M. Ayaat\* and Abeer A. Khattab\* \*Botany Department, Faculty of Science, Benha university, Benha, Egypt. \*\*Department of Microbiology, Faculty of Agriculture Ain Shams University Key Words: Amplification, PCR, *Ps aeruginosa*.

#### ABSTRACT

The identification of 16SrRNA structural gene of four *Ps. aeruginosa* isolates contaminated processed foods was done by PCR and sequencing of amplicons. Genomic DNA isolated from *Ps. aeruginosa* isolates namely (Ps 1, Ps 2, Ps 3, Ps 4) using a lysozyme dodecyl sulfate lysis procedure with high quality and substantially free DNA contamination. The DNA was then used as a template for PCR to amplify the 16srRNA gene via the QLAGEN PCR system by the use of oligo (dt), fG1 and rP2 primer sets, partially length of 16srRNA gene could be synthesized. The amplified 16srRNA gene was used as a template using the internal primer combination (fG1 and rP2) in PCR to confirm its specificity to the *Ps. aeruginosa* 16srRNA gene as a PCR product with a size of about 371 bp DNA was amplified of four *Ps. aeruginosa* isolates.