

# **Development of Molecularly Imprinted Polymers for Insecticides Detection**

**Tarun Kumar<sup>1</sup>, H. Kaur<sup>2</sup> and K.P. Singh<sup>3</sup>**

## **ABSTRACT**

A biosensor or sensor is an analytical device which converts a biological or chemical response into an electrical signal. It should respond selectively, continuously, rapidly, specifically, and ideally without added reagent. Molecularly imprinted polymers (MIPs) represent a new class of materials that have artificially created receptor structures. MIPs could be considered as appropriate alternatives to biological and chemical receptors for use in sensors mainly because of their high stability.

**Key Words:** Solid Phase Extraction, Molecular imprinted polymers, rebinding