

## **A Polyacrylamide Gel Electrophoretic Approach of Fingerprinting Soil Polyphenols**

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**Abstract:** Present study reports a novel method to fractionate and analyse a mixture of polyphenols without prior purification. It is based on compound separation of the extracts using one dimensional polyacrylamide gel electrophoresis (1D-PAGE) and subsequent determinations of approximate molecular masses and concentrations on the gel. This is a simple and rapid technique, which has important applications in complex interactions of soil-plant systems and also in different areas of plant sciences. These initial results justify the importance of its further improvements, to be used as a cost-effective tool for polyphenol research, compared to conventional analytical methods.

**Key words:** 1D/PAGE, gel electrophoresis, polyphenols, soil

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