

## Conducting polymers : a new era in electrochemistry

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### Abstrak

Coverage includes additional polymers such as polyindole and polyazines, composites of polymers with carbon nanotubes, metals, and metal oxides, as well as bending-beam techniques for characterization. The author provides a systematic survey of the knowledge accumulated in this field in the last thirty years. This includes thermodynamic aspects, the theory of the mechanism of charge transport processes, the chemical and physical properties of these compounds, the techniques of characterization, the chemical and electrochemical methods of synthesis as well as the application of these systems. The book contains a compilation of the polymers prepared so far and covers the relevant literature with almost 2000 references.