

Special Issue

Detection of Urinary Biomarkers: From Current to Future Challenges

Message from the Guest Editor

Dear colleagues,

The need for sensitive tests to detect early kidney disease and damage remains a high priority. The kidney is particularly susceptible because of its high blood supply and transcellular transport system. Over the last 50 years, a variety of biomarkers of effect, progression and prognosis have been identified. Biomarkers are used to detect nephrotoxic drugs, industrial and environmental nephrotoxicity and kidney disease in patients and animals. Future work should include the development of point of care devices and improved assay techniques. Biomarkers should be defined in terms of the stage of renal damage/disease they reflect. As improvement in technology becomes available, these tests will become more widely used, especially in developing countries. This Special Issue contains a summary of the current use of biomarkers and potential development in medicine, industrial areas and the environment, together with details of cutting-edge technology.

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Guest Editor

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