Outline **Putting Bacteria to Work**

**Title** Putting Bacteria to Work

**Introduction**

* Earth comprises of comprises of various elements, including living and nonliving components, that facilitate the survival of organisms and sustain ecological cycles.
* Thesis statement:
* Today, microbes permeate people’s lives, with their ability to metabolize elements helping in the management of waste, preparation of food, manufacture of pharmaceuticals, and production of fuel.

**Waste Management**

* Microbes play an essential role in keeping landscapes clean due to their ability to metabolize elements.
* Sewage encompasses a mixture of different types of wastes, which comes from sink, bath, toilet, and rain water.

**Food Microbiology**

* Microbes do not just assist the body to break down food, they also help industries produce nutrients.
* Moroever, microorganism help produce compounds that help manufacturers modify consumables to optimize their benefits to humanity.

**Industry Microbiology**

* Health care is among the industries that have greatly profited from the discovery of microbes and developments in microbiology.
* Additionally, microbes have gained popularity in the development of biofuels as an alternative to energy derived from fossil fuels.

**Microbiology Field with the Potential for Further Development**

* Among these applied microbiology fields, I find the conversion of waste products into fuels to be the most interesting area because it supports global environmental conservation efforts.
* The field entailing the conversion of waste products into energy has the potential for further development due to its environmental sustainability and affordability.

**Conclusion**

In conclusion, microorganisms are an inseparable component of people’s life today due to their indispensable role in waste management, food microbiology, and industry microbiology.