What is claimed is:

1. A biomonitoring device that measures a parameter of a material expelled during use of a toilet by a user, the device comprising a sensor that detects electromagnetic radiation or an analyte chemical in the bowl of the toilet, and a polarization filter and/or a wavelength filter positioned to limit characteristics of light that reaches the sensor.

2. The biomonitoring device of claim 1, wherein the material is feces, urine, flatus, or off-gas from feces or urine.

3. The device of claim 1, wherein the sensor is a lens that is situated such that it does not change position when a seat of the toilet is lifted.

4. The device of claim 1, further comprising an electromagnetic radiation source that emits electromagnetic radiation into the bowl.

5. The device of claim 1, wherein the sensor detects an analyte chemical in the bowl.

6. The device of claim 5, wherein the analyte chemical is in a liquid in the bowl.

7. The device of claim 1, further comprising a conductive material situated to contact skin of the user that measures bioelectrical impedance.

8. The device of claim 1, further comprising a load cell capable of measuring the weight of the user.

9. The device of claim 1, further comprising a capacitive sensor that detects the presence of the user while seated on the seat of the toilet.

10. The device of claim 1, further comprising a data storage and/or transmittal unit that stores and/or transmit data from the sensor.

11. The device of claim 10, comprising a transmittal unit that transmits data via wireless, optical or wired communications to a computing unit.

12. The device of claim 11, wherein the device undergoes a training period where data is analyzed when no excreta is in the bowl.

13. The device of claim 11, wherein the computing unit analyzes the data to determine stool consistency, presence of blood, urine color, urine voiding volume, weight, body composition, stool frequency, or urine frequency.

14. The device of claim 1, integrated into a toilet.

15. The device of claim 14, comprising any or all of an image sensor, an electromagnetic radiation source, a gas sensor operatively connected to an air fan and duct that pulls air from inside the toilet bowl through the gas sensor, a dispenser that can dispense a solution into the bowl and operatively connected to a receptacle containing the solution, a conductive material situated to contact skin of the user that measures bioelectrical impedance, a load cell capable of measuring the weight of the user, a capacitive sensor that detects the presence of the user while seated on the seat of the toilet, a filter that cleans air from the bowl prior to exiting the bowl, a charging port operatively connected to a battery, and/or a transmittal unit that transmits data via wireless, optical or wired communications to a computing unit.