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DNA barcoding-Key to genetic identity

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"It was just impossible to describe biological diversity with traditional approaches. But with the advancement of science, molecular methods provides a way forward–especially, in the form of DNA barcodes".

DNA barcoding is a useful way to identify/name the species. Identification of this type makes use of genetic system identification of different genome. It is just similar to the scanners used in supermarket for identifying the product and its prices. These barcodes may look the same with a person's naked eye, but when scanned these are different symbols or images since no barcodes have similar codes.

Various features such as color and size were used as traditional way of identification of biological specimens. However, experts make use of routine assessment regarding the different species. No matter how experts they are or how long they have been practicing in this field, if the species is immature or sick they would not be able to identify the species well. But DNA barcoding provides way to the solution because barcodes can obtain results even the tissue sample of the species is very less. This system can be used by the taxonomists as an alternative tool for the additional knowledge for them. Apart from this, DNA barcoding can also be done by the non-experts to make a quick identification of the species that is involved. In addition to helping identify the identity what is already known, DNA barcoding can reveal what would otherwise remain hidden.

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