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Replicative forms Acquired by Nucleic Acid

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Abstract

The DNA is said to be the hereditary material carrier of the any living beings. DNA stands for the deoxyribonucleic acid and is nearly same in every cell of the human body. It's one of the greatest ability is to replicate and form the new strands which are complementary to the parent DNA strand or the template DNA. The location of the DNA is always determined to be in the nucleus but some small amount is also present in the mitochondria and in plants, it's also present in the chloroplast. The mitochondria is the cell organelle which is responsible for the energy production in the cell whereas, chloroplast are the cell organelle in plants which are responsible for the pigmentation of the plant leaves in turn involved in the photosynthesis. DNA is the prime source of biological molecule which is involved in forming the living beings. And this phenomenon occurs by the cell division in which one cell divides to produce two daughter cells that consists of the required genetic information. One of the well-recognized activity followed by the DNA is that the "DNA Replication" which is the process of the one DNA strand to form duplicate of the other DNA strand is necessary for the keeping the integrity of the DNA molecule.

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Biography

Prof. Yakubu teaches Animal Breeding and Genetics at Nasarawa State University, Keffi, Nigeria. He was a visiting research fellow in the Department of Animal Science, Cornell University, USA in 2011. He has Enjoyed travel support to Italy, India, Egypt, Kenya, Ethiopia and Tanzania.

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