# Anaerobic Biodegradation: A Key Process in Waste Management and Environmental Remediation

#### Kusha Singhania\*

Department of Biochemistry, University of Chhattisgarh, India

#### **Abstract**

Anaerobic biodegradation is a crucial process in the decomposition of organic matter in environments devoid of oxygen. This natural process is driven by microorganisms that thrive in oxygen-free conditions, breaking down complex organic substances into simpler compounds. Understanding anaerobic biodegradation is essential for managing waste, remediating contaminated sites, and harnessing renewable energy.

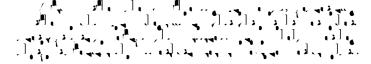
## Introduction

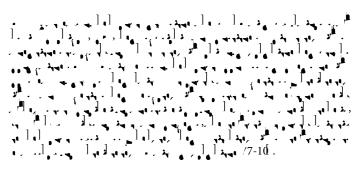
المنظم ا

## Methodology

## Applications and benefits

## Challenges and considerations





### Conclusion



#### References

- Agredano YZ, Chan JL, Kimball RC, Kimball AB (2006) Accessibility to Air Travel Correlates Strongly with Increasing Melanoma Incidence. Melanoma Res 16: 77-81.
- Berwick M, Wiggins C (2006) The Current Epidemiology of Cutaneous Malignant Melanoma. Front Biosci 11: 1244-1254.
- Eaton JW (1995) UV-Mediated Cataractogenesis: A Radical Perspective. Doc Ophthalmol 88: 233-242.
- Eaton JW (1995) UV-Mediated Cataractogenesis: A Radical Perspective. Doc Ophthalmol 88: 233-242.
- W) ic^á h Þædi[) h Ò) çái[] { ^ }ch Ú![\*læ { (^h (FJJ I Dh Ò) çái[] { ^ }cæ|h Ò ^&c•h [-h Ozone Depletion: 1994 Assessment. UNEP, Nairobi.
- 6. Christenson LJ, Borrowman TA, Vachon CM (2005) Incidence of Basal Cell

\*Corresponding author: Kusha Singhania, Department of Biochemistry, University of Chattisgarh, India, E-mail: kusha58@yahoo,.com

Received: 02-Sept-2024, Manuscript No: jbrbd-24-144897, Editor Assigned: 04-Sept-2024, pre QC No: jbrbd-24-144897 (PQ), Reviewed: 19-Sept-2024, QC No: jbrbd-24-144897, Revised: 23-Sept-2024, Manuscript No: jbrbd-24-144897: (R), Published: 30-Sept-2024, DOI: 10.4172/2155-6199.1000643

Citation: Kusha S (2024) Anaerobic Biodegradation: A Key Process in Waste Management and Environmental Remediation. J Bioremediat Biodegrad, 15: 643.

**Copyright:** © 2024 Kusha S. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

- and Squamous Cell Carcinomas in a Population Younger Than 40 Years. JAMA 294: 681-690.
- Lee KW, Meyer N, Ortwerth BJ (1999) Chromatographic Comparison of the UVA Sensitizers Present in Brunescent Cataracts and in Calf Lens Proteins Ascorbylated in Vitro. Exp Eye Res 69: 375-384.
- 8. Wargent JJ, Jordan BR (2013) From Ozone Depletion to Agriculture:
- Understanding the Role of UV Radiation in Sustainable Crop Production. New Phytologist 197: 1058-1076.
- 9. Sivasakthivel T, Reddy KKSK (2011) U:[}^ÅŠæ^^\ÅÖ^]|^αί[}Åæ}åÅω•ÅÒ ^&ω•ÅÆÅ Review. IJESD 2: 30-32.
- 10. United Nations Environment Programme (2006) Ó}çål[] { ^}æļÅ Ó ^&ேÅ [-Å Ozone Depletion and Its Interaction with Climate Change: 2006 Assessment. UNEP, Nairobi.