RESUME

AMAN MINHAS

Address: Himachal Pradesh, India, Palampur, HP 176101 | (H) 8894504989 | (C) 8580451561 | minhasaman997@gmail.com DOB 25/July/1997

RESEARCH INTEREST:

Biochemical & thermo-chemical conversion of waste biomass, gasification, bioenergy, biofuel generation, Microbial Fuel Cell, Activated carbon, Anaerobic Treatment of sludge & Biogas Production, Biohydrogen, Environmental Management, Green Building, and EIA.

RESEARCH STATEMENT:

Biofuel and bioenergy generation is a vast unexplored area in terms of research and can play a vital role in removing our dependency on fossil fuels. Green energy production like biogas, biohydrogen, and solar passive systems can play a crucial role in building a sustainable environment. Moreover, they can prove to be an engineered solution to the dynamic problems of society.

EDUCATIONAL QUALIFICATION:

Sr No	Qualifications	Branch	Institution	Year of passing	Percentile/CGPA
1.	12^{th}	Non-Medical	Rainbow Public School, Nagrota Bagwan, Kangra, HP	2015	76.8%
2.	B.Tech.	Civil Engineering	R.G. Govt. College of Engineering Kangra, H.P. India	2019	8.32
3.	M.Tech.	Environmental engineering	NIT Hamirpur	2023	9.41

SOFTWARE KNOWLEDGE:

Autocad, STAAD Pro, CFD, MATLAB, LaTex, Aspen Plus, MS Word.

STCs (Short-term Courses):

1. National Hands-on Training on Biogas and its Implementation (By SSS-NIBE & IBA on 21-25 October 2024)

2. Hands on Computational Fluids Dynamics (CFD) held & organized by IIT-Mandi October, 2023.

3. Recent Advances in Water Resources Engineering and Management (RA-WREM-2023) from 27th Feb to 3rd March 2023 at NIT Hamirpur.

PUBLICATIONS:

1. Simulation of Gasification parameters using phenomenological study and use of syngas as an- Alternative fuel- Conference Proceedings NBL 2023.

2. Simulation of Gasification parameters for MSW feedstock based on plasma gasification-A review.

Journal: AMPT Sept 2023.

ADDITIONAL:

Gate-2021, 2022 qualified, Training & Placement representative (2k22-23 NITH), Sports Secretary (2k22-23 NITH), NCC ‘A’ Certificate.