

**Name: Dr. Anurag Mudgal**

**IMPORTANT (RECENT) PAPER PUBLICATION:**

1. A small scale multi-effect distillation (MED) unit for rural micro enterprises Part I — design and fabrication, P.K. Sen, Padma Vasudevan Sen, **Anurag Mudgal**, S.N. Singh, S.K. Vyas, Philip Davies, 279 (2011), 15-26.
2. A small scale multi-effect distillation (MED) unit for rural micro enterprises Part II — Parametric studies and performance analysis, P.K. Sen, Padma Vasudevan Sen, **Anurag Mudgal**, S.N.Singh, 279 (2011), 27-37.
3. A small scale multi-effect distillation (MED) unit for rural micro enterprises Part III — Heat transfer aspects, P.K. Sen, Padma Vasudevan Sen, **Anurag Mudgal**, S.N.Singh, 279 (2011), 38-46.

*List of papers published in international journals:-*

S.No	Title Paper	Name(s) of Author(s)	Name of Journal where published	Remarks
1.	A small scale multi-effect distillation (MED) unit for rural micro enterprises Part I — design and fabrication	P.K. Sen, Padma Vasudevan Sen, <b>Anurag Mudgal</b> , S.N. Singh, S.K. Vyas, Philip Davies	International journal of desalination, Elsevier, _Vol 279 (2011) , page 15-26	Published
2.	A small scale multi-effect distillation (MED) unit for rural micro enterprises Part II — Parametric studies	P.K. Sen, Padma Vasudevan Sen, <b>Anurag Mudgal</b> , S.N. Singh	International journal of desalination, Elsevier, _ Vol 279 (2011) , page 27-37	Published
3.	A small scale multi-effect distillation (MED) unit for rural micro enterprises	P.K. Sen, Padma Vasudevan Sen, <b>Anurag Mudgal</b> , S.N. Singh	International journal of desalination, Elsevier, _ Vol 279 (2011) , page 38-46	Published
4.	Biochemical Mechanism of Salt Tolerance	V. Mudgal, N. Madaan and <b>A. Mudgal</b>	International J. of Botany, 6(2): 136-143.(2010)	published
5.	Effect of Toxic Metals on Human Health	V. Mudgal, N. Madaan, <b>A. Mudgal</b> , R. B. Singh, S. Mishra	Open Nutraceuticals Journal, 3: 94-99 (2010).	published
6.	Comparative Study of the Effects of Salinity on Plant Growth, Nodulation and Leghaemoglobin Content in	V. Mudgal, N. Madaan, <b>A. Mudgal</b> , A. Singh and P. Kumar	KBM J. of Biology, 1(1):1-4 (2010).	published
7.	Heavy Metals in Plants: Phytoremediation: Plants Used to Remediate Heavy Metal	V. Mudgal, N. Madaan and <b>A. Mudgal</b>	Agric. Biol. J. N. Am., 1(1): 40-46.(2010)	published
8.	Changes in growth and metabolic profile of Chickpea under salt stress	Mudgal.V., Madaan. N., <b>Mudgal. A.</b> , Mishra. S., Singh A. and Singh P K	J. of Applied Biosciences 23: 1436 – 1446. (2009)	published

***List of papers published in International conferences:-***

<b>S.No.</b>	<b>Title Paper</b>	<b>Name(s) of Author(s)</b>	<b>Name of Journal/ Conference where communicated</b>	<b>Remarks</b>
1.	Design and Fabrication of A Small Scale MED (Multiple Effect Distillation) System for Production of Low TDS Water and its applications for low	<b>Anurag Mudgal,</b> Varsha Mudgal	Singapur <b>International Conference</b> and water week, 4-8 July, 2011	Accepted, IWA 6387
2.	Review of different methods for production of distilled water and its uses along with heat exchanger concept in Multiple	<b>Anurag Mudgal,</b> Varsha Mudgal	1st Clean Energy and Technology (CET 2011) conference, 27 June - 29 June 2011, Kuala Lumpur Malaysia	Accepted
3.	Availability and uses of biogas in an efficient and feasible way, as a source of energy, for different operations	<b>Anurag Mudgal,</b> Varsha Mudgal, Anupam Srivastava	ICHT 2008 International Conference on Harnessing Technology: Challenges & Opportunities in GCC States, 12-13 October 2008, Crowne	Published
4.	Production of low salinity distilled water for sophisticated plants using zero waste model run on biomass and solar energy	<b>Anurag Mudgal,</b> Varsha Mudgal and B.P.Singh, Prashant Verma	Singapur <b>International Conference</b> and water week, 23-27 June, 2008	Published
5.	A Small-Scale Multiple Effect Water Distillation System (MEWD) for Rural Sector	P. K. Sen, Padma Vasudevan Sen, S.K.Vyas , <b>Anurag Mudgal</b>	<b>International conference</b> on Mechanical Engineering, <b>ICME-2007</b> , 29-31 December 2007, Vol. and pp. AM- 57. Dhaka, Bangladesh	Published
6.	Zero waste model for producing low salinity distilled water for sophisticated plants using biomass and solar energy	<b>Anurag Mudgal,</b> Varsha Mudgal and B.P.Singh	<b>SSEE 07, International Conference</b> on Engineering Sustainability, 31 Oct to 2 Nov, 2007, Perth, Australia	Published
7.	Operations and energy management for best use of energy in context of Indian paper industries – a review	<b>Mudgal A,</b> Mudgal V , Singh B.P	<b>Global conference</b> on Production and Industrial Engineering (CPIE-2007), 22-24 March 2007, Dr. B. R. Ambedkar National Institute of Technolog, Jalandhar, Punjab	Published

***List of papers published in National conferences:-***

<b>S.No.</b>	<b>Title Paper</b>	<b>Name(s) of Author(s)</b>	<b>Name of Journal/ Conference where communicated</b>	<b>Remarks</b>
1.	Material Handling Techniques And Optimization Of Available Raw Material, Resources And Fuels In Context Of Indian	<b>Anurag Mudgal,</b> V. Mudgal, B.P.Singh	NCDDM200, Sant Longowal Institute of Engineering and , Technology Longowal-148106, Sangrur (Punjab), March 16-17, 2007	Published

2.	Production of distilled, low bacteria water for drinking and irrigation of sophisticated plants using low grade	<b>Anurag Mudgal,</b> Varsha Mudgal, B.P.Singh	All india seminar on energy: the future scenario, march 10-11, 2007, IT, BHU, Varanasi	Published
3.	Solar water distillation- an efficient and economic way to get rid of all kinds of impurities in water including	<b>Anurag Mudgal,</b> Varsha Mudgal, B.P.Singh	TIME- 2007, March 5-6, 2007, Deccan College of Engineering and Technology, Hyderabad	Published
4.	Solar distillation- an economic way to treat all impurities in water including dissolved	<b>Anurag Mudgal,</b> B.P.Singh	MIT, Transaction, Moradabad	Published
5.	Energy management in context of best use of raw material, available resources and alternate fuels in Paper	<b>Mudgal A,</b> Mudgal V, Singh B.P	National conference on recent developments and future trends in Mechanical Engineering (RDFTME-2006) at NIT, Hamirpur (H.P), Nov 3-4, 2006	Published
6.	Scientific mechanism & optimization for best use of energy in context of Indian industries particularly Paper Industry	<b>Mudgal A,</b> Mudgal V	48 <sup>th</sup> National Convention on Multidimensional concepts and approaches for continual improvement in the e-millennium, Indian Institute of Industrial Engineering, Nimhans Convention Center, Bangalore, 29-30	Published
7.	Production Of Distilled Water From Saline Water For Drinking And Irrigation Of Sophisticated Plants	<b>Anurag Mudgal,</b> V. Mudgal, B.P.Singh	National Conference on Trends and Advances in Mechanical Engineering, YMCA Institute of Engineering, Faridabad, Haryana., Dec 9-10,	Published