
Dr. Suman Das



Name:SUMAN DAS, Ph. D.

Present Position: ASSISTANT PROFESSOR in Botany, Charuchandra College (University of Calcutta), Kolkata 700 029.

Interests: Phytomedicine, Pharmacognosy, Environmental and food microbiology, Wastewater, bioremediation, Sustainable agriculture

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Date of Birth: 11-10-1971

Nationality : INDIAN

Marital Status: Married

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Educational qualifications: Ph. D. in Environmental Sciences (KU)(2006),

B. Sc. (Honours) and M. Sc. In Botany(KU) (1996)

All Throughout First Class from School Level

Research Degree: Ph. D. in Environmental Sciences (KU) (2006)

Awards:

1. National Scholarship in Class 10 Board Exam,
2. Merit Scholarship in B. Sc. (Hons.) exam.,
3. GATE Scholarship, 1996,
4. WBCSC SLET, 1997,
5. UGC-CSIR NET, 1998,

Research Experience: 17 + years

Post Doctoral Research: 08+ years

Teaching Experience: 15+ Years

Editorial Board member: VRI Phytomedicine (an International Journal published from USA), Reviewer of many National and International Journals

Research projects: 1. UGC-MRP, as PI, Funded: University Grants Commission (2007-2009)Completed.
2. UGC-MRP, as PI, Funded: University Grants Commission (2013-2015) Completed.

Nature of the Project	Duration Year from To	Title of the Project	Name of the funding Agency	Total Grant (Rs)		Comment
				Sanctioned	Received	

Minor Project-Dr. Suman Das	2007-2009	UGC Minor Research project (UGC-MRP) on Screening of heavy metal tolerance in cyanobacteria isolated from different industrial effluents and road side waterbodies in west Bengal and its application in bioremediation	UGC	73000	73000	Cleared
Minor Project-Dr. Suman Das	2013-2015	Evaluation of indigenous lesser known herbs, <i>Hibiscus, sabdariffa,L.</i> and <i>Lawsonia</i> etc.. in food processing & bio-control	UGC	1,83,000	1,78,200	Final Report submitted

PUBLICATIONS:

Articles in ISSN Journals:

1. R. K. Das and S. Das, Growing Menace of E-Waste in India: Need of Systematic Management, J. Chem. Bio. Phy. Sci. Sec. D, February 2014 – April 2015; Vol.5, No.2; p2212-2225. E-ISSN: 2249-1929.
2. Das S., In vitro Evaluation of phytochemical, antimicrobial and Antioxidant activity of calyces of Roselle (*Hibiscus sabdariffa* L.), IJPSR, 2014; 5(8): 3364-3369. ISSN 2320-5148.
3. Das S., In vitro Evaluation of Phytochemicals and Antimicrobial activities of extracts of seeds and leaves of *Lawsonia inermis* Linn. American Journal of PharmTech Research 2014; 4(2): 410-419. ISSN 2249-8387.
4. Das S and A. Coku, Allelopathic and antimicrobial evaluation of two Indian weeds- *Heliotropium indicum* L. and *Synedrella nodiflora* (L.) Gaertn with phytochemical studies. AJPTR, 2014, 4(3): 368-377. ISSN 2249-8387.
5. Das S, In vitro antimicrobial activity along with biomass production in wastewater by cyanobacteria *Spirulina platensis*. IJAPBC 2014, 3(2): 366-370. ISSN 2277-4688.
6. Das S, Biosorption and biotransformation of Cr (VI) by hexavalent chromium-stressed environmental fungal isolates from wastewater. IJAPBC 2014, 3(2): 378-383. ISSN 2277-4688.
7. Das S, Cyanide removal from steel plant wastewater by strains of *Oscillatoria* sp. And Chlorella sp. IJRAT, 2014, 2(5): 152-156. ISSN 2321-9637.
8. Das S, Coku A. Antimicrobial and antioxidant activities of *Osbeckia stellata* Buch.-Ham. Ex D. Don (Melastomataceae) prevalent of Darjeeling hills. International Journal of Pharmacy and Pharmaceutical Sciences 2013; 5(2): 551-554. ISSN 0975-1491.
9. Das S, Anjeza C, Mandal S. Synergistic or additive antimicrobial activities of Indian spice and herbal extracts against pathogenic, probiotic and food-spoiler micro-organisms. International Food Research Journal 2012; 19 (3): 1185-1191. ISSN 0975-1491.
10. Das S. Biosorption of chromium and nickel by dried biomass of cyanobacterium *Oscillatoria laetevirens*. International Journal of Environmental Sciences, 2012; Volume 3 (1): 341-352. ISSN 0976-4402.
11. Das S. Antimicrobial and antioxidant activities of green and ripe fruits of *Averrhoa carambola* Linn. and *Zizyphus mauritiana* Lam. Asian J. Pharmaceu. Clin. Research 2012; 5(3): 102-105. ISSN 0974-2441.

12. **Das S.** and S. C. Santra, Phenol removal from coal refining wastewater by immobilized cyanobacteria, EJEAFChe, 2012, 11(6): 673-679. ISSN 1579-4377.
13. **Das S.** and S. C. Santra, Bio-detoxification of chromium from industrial wastewater by fungal strains. Biologija 2012, 58(1) 1-6. ISSN 1392-0146.
14. **Das S.** and S. C. Santra, Cyanide degradation by Aspergillus niger strain isolated from steel-plant wastewater, EJEAFChe 10(7): 2516-2522. 2011. ISSN1579-4377.
15. **Das S.** and S. C. Santra, Simultaneous Biomass production and Mixed-origin wastewater treatment by five environmental isolates of Cyanobacteria, 2010, *Biologija*, 56(1-4), 9-13. ISSN 1392-0146.
16. Characterization of simultaneous bio-accumulation and bio-reduction of hexavalent chromium by an *Aspergillus flavus* isolate (EST_F-241), **S. Das** and S. C. Santra, 2008, *J. Mycopathol. Res.*, 46(1), 77-80. ISSN 0971-3719.
17. Cyanide degradation by cyanobacteria and green algae isolated from steel plant wastewater, **S. Das** and S. C. Santra, *Poll. Res.*, 2005, 24 (3), 629-632.
18. Detoxification of hexavalent chromium by fungal isolate from tannery effluent, **S. Das** and S. C. Santra, *J. Nat. Bot. Soc.*, 2001, 55, 25-30.
19. Biomonitoring of water quality by peroxidase activity assay in macrophytes, Sci. & Cult., S. C. Santra, M. Denath, A. Samal & **S. Das**, 2003, 6991-2, p81-82.

Articles/ Chapters published in ISBN Books:

1. **Das S.** Concurrent biosorption and biotransformation of hexavalent chromium by immobilized *Aspergillus flavus* strain isolated from tannery wastewater. Essays on Environmental studies. Ed. Sarin A, ATINER, Athens.2012; 73-82. ISBN 978-960-9549-75-2.
2. **Das S.** and S.C. Santra. Microbial interactions with microorganisms: potentials for environmental biotechnology, New frontiers of Environmental biotechnological application Ed. S. C. Santra, ENVIS (MoEF, GoI), KU, Kalyani. 86-101.2007

Papers in Conference Proceedings:

1. **Das S.** *Oscillatoria laete-virens* biomass showing biosorption of heavymetals Chromium and Nickel. Proc. 100th Ind. Sc. Cong. Env. Scs., 219-220, 2013.
2. **Das S.**, Sustainable Agriculture Through Organic Farming: Problems And Solutions In The Indian Perspective, CASA 2012 Proceedings, ‘Anthropological Perspectives on Holistic Sustainability’ Ed. K. Tan, 2012.

Articles Published in Journals:

1. **Das S.**, Trans fats, **Sarjana**, 2016, 1-6.
2. **Das S.**, Bt-Brinjal: Controversy spill over, S. Das, **Sarjana**, 2010.
3. Can animals sense earthquakes? S. Das, 2005, **Science Reporter**, November, 29-30.
4. Healthy oil for healthy people, S. Das, **Sarjana**, 2002, 28-32.

PAPER PRESENTATION IN INTERNATIONAL CONFERENCES

3. Organic Farming, BioAsia 2015, AStar, Singapore. 21-23 May, 2015.[sponsored by French Embassy, Singapore]
2. Sustainable Agriculture Through Organic Farming: Problems And Solutions In The Indian Perspective, CASA 2012, Bangkok. 15-17.12.2012 [sponsored by CICS].
1. Concurrent biosorption.....tannery wastewater. 6th Annual international Symposium on environment. Athens. 16-19.5.2011. [sponsored by UGC].

CONFERENCES, SEMINARS ATTENDED

Sl.	Name of Conferences/Seminars/Workshops etc.	Sponsor	Place	Date
32	Trends in contemporary Indian Historical studies	WBCU TA	Kolkata	20-12-14
31	BUDGET 2014	CC	Charuchandra College	18.7.14
30	100 th Ind. Sc. Cong. Env. Scs	ISCA	Kolkata	03-07.01.2013
29	State athletic Meet	ED , WB	Kolkata	20-27.3.2012
28	Marine Biodiversity	UGC	Charuchandra College	14-2-2012
27	Biodiversity	UGC	Matijheel College, Kolkata	04-06-2-2012
26	Bhuban workshop	ISRO	CU, Kolkata	02-02-2012
25	Faculty Development Programme	DST- NIMAT	EDI, Kolkata	02-13-01-2012
24	West Bengal Economy	UGC	Gurudas College, Kolkata	09-9-2011
23	Plant Biotechnology	UGC	Rahara VC college	08-9-2011
22	Emerging trends in plant science	UGC	Barasat govt. College	14-15.7.2011
21	Present scenario and Future prospects of Microbiology and plant biotechnology	UGC	Asutosh College, Kolkata	9-10-3-2011
20	Refresher course in Life Science	UGC	ASC, CU	1-20-2-2010
19	State level Seminar on Playing GOD	UGC	Gurudas College, Kolkata	6-7-11-2009
18	National seminar on Application of Spectroscopy	UGC	Charuchandra College	23-24-2-2009
17	State level seminar on Rabindranather krishi shilpa o samabay bhabna	UGC	Chakdaha College	13-14-2-2009
16	National Seminar on Recent advances in genetics and molecular biology	UGC	Vidyasagar College	21-22-11-2008
15	National Seminar on Mangrove ecosystems of India	UGC	Bankim Sardar College	25-26-9-2008
14	State level Seminar on Narir lekhae narir katha	UGC	Charuchandra College	11-12-4-2008
13	95 th Indian Science Congress	ISCA	Visakhapatnam	3-7-01-2008
12	Refresher course in Life Science	UGC	ASC, CU	05-24-2-2007

11	International Symposium on Mycology	IMS	Kolkata	23-25-2-2006
10	e-learning Training Course	UGC	J.U.	20-21-1-2006
9	Concept of social welfare Training Course	UGC	J. U.	13-14-1-2006
8	Workshop on practical Course on B Sc. (Hons)	CU	CU	9-10-12-2005
7	Recent trends in plant science	UGC	Asutosh College	4-3-2005
6	47 th Orientation Programme	UGC	ASC, BU	21-2 to 19-3-2004
5	Workshop on Environmental Biotechnology	MoEF	KU	21-3-2003
4	State level seminar on New frontiers of Plant Science	UGC	Chruchandra College	28-2 to 1-3-2003
3	National Symposium on Current trends in research on microorganisms	CU	CU	15-16-2-2003
2	Man and environment	UGC	BudgeBudge College	9-10-4-2002
1	Indian Science Congress	ISCA	Pune	3-7-01-2000