

Curriculum Vitae

Name:

DR. CHANDANA SARMA

Designation & Department:

**Vice-Principal
Bajali College
and
Associate Professor and Head
Department of Chemistry
Bajali College
Pathsala-781325
03666265429
9435123413, 8811006701
drchandanasarma@gmail.com
sarma.chandana@rediffmail.com**

Academic Qualification:

Degree	Name of the institution	Year of passing
10th	SEBA	1976
12th	Bajali College	1978
BA/B.Sc./BCom Chemistry(major)	Bajali College	1980(held in 1981)
MA/M.Sc./MCom (Chemistry)	Gauhati University	1982(held in 1984)
M.Phil. (Environmental Science)	Gauhati University	1987
Ph.D. (Chemistry)	Gauhati University	1995

Publications in Journals:

a) Names of the paper (International/National/Regional Level):

Sl. no.	Name of the Research Paper	Year of publication	Name of Journal	National/ International
1.	A study of Physico Chemical Qualities of the Water of three ring wells and two ponds in Guwahati Area	1988	J. Assam Sc. Soc. 42, 31(1): 33-42 ISSN 0587-1921	National

2. Bacteriological quality of some entrapped water sources in and around Guwahati area	1995	Indian Journal of Environmental Protection 15(11) : 850-852. ISSN 0253-7141	National
3. Distribution of Heavy Metals in surface water and Bed sediments of a few Drinking Water sources in Guwahati	1999	Indian Journal of Environmental Protection 19(2) : 110-118. ISSN 0253-7141	National
4. A study of some Physico-chemical Parameters of some ground Water Sources in Bajali area, Barpeta District	2007	Enviro Spectra, Jr. of SEPER, 2(1) : 64-68	National
5. Study of Water Quality of Bisannala Rivulet in the Bajali area, Assam	2010	Journal of Dimoria College 8(2), pp 101-107 ISSN 2230-7788	National
6. Earthquakes in North East India and its vicinity	2012	Proc. of National Seminar on Challenges and preparedness for Earthquakes in India Environmental Watch and Management Institute, Guwahati P 26-36	National
7. Evaluation of Water Quality of Deepar Beel Wetland, A Ramsar Site in Kamrup District, Assam	2016	Pollution Research Vol. 35 (1) : 2016 P 73-83 ISSN: 0257-8050 SCOPUS - H Index - 18 NAAS Rating - 4.75	International
ABSTRACT :			
8. A study of some Water Quality Parameters from different ring Wells in Guwahati Area	1988	Proc. 34 th annual conference Assam Science Society, Bongaigaon. P-42	National
9. Distribution pattern of heavy Metals in surface water and Sediments of a few entrapped water source in and around Guwahati City	1994	Proc. 81 st session of the Indian Science Congress Jaipur	National

Publications in Books:

a) Names of the Chapters in Books: **No**

b) Names of the Books edited:

**New and Innovative Renewable Energy and Energy Efficiency (Editor), 2016
(in press): Published by Environmental Watch and Management Institute,
ISBN 978-81-923052-1-9**

Publications in News Paper/ Magazine etc. if any

- (1) **Paribesh Pradusanar Bhayabahata**, L.C.B. College Magazine, (Assamese), 1998
- (2) **Toxic Chemical and Environment**, Environment News, 2nd year, 1st issue, 2000, Page 5
- (3) **Environment-friendly fuel : CNG?** Environment News, 3rd year, 1st issue, 2001, page 7
- (4) **Future energy scenario**, Environment News, 4th years, 1st issue, 2002, Page 5
- (5) **Bisudha khowa pani: sayasthar param sampad**, Environment News, (Assamese) 5th year, issue, 2003, page 5
- (6) **Paribesh, Mahila aru gharar bhitarar pradusan**, Saswati, (Assamese) 5th issue, 2005, page 16-17
- (7) **Paribesh adhayan aru Bajali Mahavidyalay-ati khatiyar**, souvenir, Golden Jubilee, Bajali College, (Assamese), page 81
- (8) **Pani sangrakhan vavasthapanat mahilar bhumika**, Saswati, (Assamese), 6th issue, 2006, page 8-9
- (9) **Kathin abarjana aru paribesh: samashya aru vavasthapanar**, Saswati, (Assamese), 8th issue, 2008, page 16-17
- (10) **Mahila, Sayastha aru randhani gharar paribesh**, Saswati, (Assamese), 10th issue, 2010, page 11-13
- (11) **Bajali Mahavidyalayar chatrabasar sonali jayantit kaisor kalar kishu smriti romonthan, kishu anubhuti**, souvenir, Golden Jubilee, Bajali College Boy's hostel, (Assamese), 2014-2015, page 45-46

Acted as Resource Persons(if any):

- (1) Participated as a resource person in the *Eco-development camp* organized By Bajali branch of Assam Science Society, with the help of Prakriti Nazira and Centre for Environmental Education (CEE), Ahmedabad, 1989
- (2) Participated as a resource person in the Bajali branch of Assam Science Societ at Bhukamari on 3rd to 5th June, 1990.
- (3) Participated as a resource person in the *Eco-development camp* organized by Bajali branch of Assam Science Society at Sonamati Chock, Nalbari, 1991.
- (4) Attended in *Kowami Ekta week "Womens conservation day"* as resource person organized by the Bajali Sub-Divisional Office at Pathsala, 1996.
- (5) Participated as a resources person for High School teacher training camp organized by Bajali branch of Assam Science Society, 1997.
- (6) Participated as a resource person in *National Environment Awareness*

campaign (NEAC) organized by SEPER, Dept. of Env. Sc.,G.U. at Changchari High School, Changchari, 1998.

- (7) Participated as a resource person in Environmental Awareness camp at Nityananda High School, 2002.
- (8) Participated as a resource person in the Workshop on Environment and Health which in organized by B.B.Kishan College, Jalah 2003.
- (9) Participated as a resource person in the Workshop of drinking water at Raipur, 2006.
- (10) Participated as a resource person in an One day "Environmental Awareness Camp" was organized by Environmental Watch and Management Institute at Dwaraka Nagar, Guwahati, 2006
- (11) Participated as a resource person in Workshop cum video show on "climate Change", National Environment Awareness Camp 2009-2010 was organized by Environmental Watch and Management Institute at Chakardeo Deshbhakta Tarunram Phukan M.E school Chakardeo,Ajara on 10th April,2010.
- (12) Participated as a resource person in Workshop on "Biodiversity Conservation" , National Environment Awareness Camp 2010-2011 was organized by Environmental Watch and Management Institute at Chakardeo Deshbhakta Tarunram Phukan M. E. school Chakardeo, Azara on 6th June, 2011
- (13) Participated as a resource person in workshop on "Forests for sustainable livelihood", National Environment Awareness camp 2011-2012 was organized by Environmental Watch and Management Institute at Chakardeo Deshbhakta Tarunram Phukan M. E. school Chakardeo, Azara on 19th May, 2012
- (14) Participated as a resource person in workshop on Earthquake Education and Preparedness was organized by Environmental Watch and Management Institute on 23rd August, 2014 sponsored by Ministry of Earth Sciences, Government of India.
- (15) Participated as a resource person in workshop on "National Environment Awareness Campaign 2014-15" on the theme "Combating Desertification, Land Degradation and Drought " has organized by Environmental Watch and Management Institute on 19th March, 2016 with support from Ministry of Environment, Forests and Climate Change, Government of India and Assam Science Society.

Seminar /Workshop/ Short term Course attended if any-

- (1) Attended National seminar on Winter school *on Futurology*, from March 19-23, 1990.
- (2) Attended National seminar on "*Studies on Chemical Reactivity: Recent Trends*: 23-25 Nov, 1993, from Chemistry Dept., G.U.
- (3) Attended National seminar on "*Role of women waste utilization and management*" form chemistry Departmenr, Gauhati University, 1996.
- (4) Attended a workshop on "*Renewable energy in North east India*

- with special reference to Bioenergy technology*". held in Handique Girls' College Guwahati, 1999
- (5) Attended a seminar on "*Effectiveness of College Education*" held on 12-13 Feb, 2001 at Bajali College, Pathsala.
 - (6) Completed Faculty Development Programme in *Entrepreneurship* From 19th February to 02 March, 2001 at Indian Institute of Entrepreneurship (IIE) Guwahati.
 - (7) Attended a seminar on "*The Need of Entrepreneurship Education In College*" held on 18-19th Nov 2005 at Bajali College, Pathsala.
 - (8) Attended a Workshop on "*Chemistry Education: past, Present and Future* " organized jointly by Department of Chemistry, SECA, IACT at Chemistry Department, Gauhati University 5th May, 2006.
 - (9) Attended a seminar on "Strengthening quality of collegiate Education After Provincialisation: an analysis organized by Gauhati University alumni associate and Bajali College, Pathsala, Assam, held on February 03, 2007, at Bajali College, Pathsala
 - (10) Attended a workshop on Vermicompost Organized by Environmental Watch and Management Institute in collaboration With Krishi Vigyan Kendra, Kamrup, AAU, Kahikuchi campus, Guwahati, at Jaymata Enterprise, Rahadhar Birkala on 25th January, 2010
 - (11) Participated in the International Conference on "Global Warming Climate Change vis-a vis Management Of Natural Resources in North East India" held at Regional Institute of Science and Technology, 9th Mile, Ri-Bhoi, Meghalaya, India on 22nd and 23rd March, 2010
 - (12) Attended in the Seminar On "Renewable Energy and its Application" Organized by Environmental Watch and Management Institute held at Regional Science Centre, Khanapara on 29-30 March, 2010
 - (13) Attended in the National Seminar on "New and Innovative Renewable Energy and Energy Efficiency" Organized by Environmental Watch and Management Institute held at Regional Science Centre, Khanapara on 10-11 July, 2010
 - (14) Attended in the National Seminar On "Seismic Hazards and Mitigation Of North East India" organized by Environmental Watch and Management Institute held at Maniram Dewan Trade Centre, Betkuchi, Guwahati-35 on 26-27 March, 2011
 - (15) Attended a one day workshop on "Examination Reforms Vis-à-vis semester System of Education at UG level" organized by IQAC, Bajali College, Pathsala held on May 28, 2011 at Bajali College, Pathsala
 - (16) Attended "Earth Day-2011" to Save Earth at Pathsala town on 22-23 April, 2011, sponsored by Ministry of Earth Sciences, Government of India.

- (17) Attended a workshop on "National Environment Awareness Campaign", 2010-2011 on the theme "Biodiversity Conservation" was organized on 6th May, 2011 with support from Ministry of Environment and Forest, Government of India. The programme was held at Chakardeo Deshbhakta Tarunram Phukan M.E. School, Chakardeo, Ajara.
- (18) Attended a national seminar on "Challenges and Preparedness for Earthquakes in India" was held at Maniram Dewan Trade Centre, Betkuchi, Guwahati-35 on 17th & 18th December, 2011 was organized by Environmental Watch and Management Institute and sponsored by Ministry of Earth Sciences, Government of India.
- (19) Attended a national seminar on "Challenges for Renewable Energy Programme Implementation" was held at Maniram Dewan Trade Centre, Betkuchi, Guwahati-35 on 21st & 22nd March, 2012 sponsored by Ministry of New and Renewable Energy, Government of India.
- (20) Attended "Earth Day- 2012" on 22nd, 23rd and 24th April, 2012. The Earth Day Programme was sponsored by Ministry of Earth Sciences, Government of India.
- (21) Attended a workshop on "National Environment Awareness Campaign, 2011-2012" on the theme "Forests for sustainable livelihood" had organized by Environmental Watch and Management Institute on 19th May, 2012 with support from Ministry of Environment and Forests, Government of India.
- (22) Attended a national seminar cum exhibition on "Earthquake Hazards: Education, Preparedness and Management" was held at Maniram Dewan Trade Centre, Betkuchi, Guwahati-35 on 28th, 29th and 30th December, 2012, sponsored by Ministry of Earth Sciences, Government of India.
- (23) Attended the "Earth Day- 2013" was held at Pathsala on 22nd, 23rd and 24th April, 2013. The Earth Day Programme was sponsored by Ministry of Earth Sciences, Government of India.
- (24) Attended a workshop on "Biodiversity Conservation" was organized by Environmental Watch and Management Institute with support from Ministry of Environment and Forests, Government of India and Assam Science Society. The programme was held at 33 No Chakardo Primary School, Ajara on 31st May, 2013.
- (25) Attended first awareness programme on Earthquake Awareness was conducted at Azara M.V. School, Azara of Kamrup (M) District on 27th September, 2013.
- (26) Attended a workshop on "Earthquake Education and Preparedness" was held at Swahid Routa Madan H.S. School, Bhotanta Saderi, Bajali Sub-division, Barpeta District on 31st October, 2013
- (27) Attended a workshop on Earthquake was held Kathpari Shankardev M.E. & High School on 27th November, 2013.
- (28) Attended Earthquake camp on 27th December, 2013 was held in Chandubi area.
- (29) Attended a workshop on "Earthquake Education" was held at Lakshminath Bezbarua High School, Bhotepowabari, Baksa District on 25th February, 2014

- (30) Attended a workshop on, "Eartquake education" at Puthimari Higher Secondary School of Kamrup District on 29th March, 2014
- (31) Attended a three day long Earth Day- 2014 programme was celebrated by Environmental Watch and Management Institute at Pathsala, Assam on 22nd, 25th and 26th April, 2014.
- (32) Attended a workshop on "Biodiversity Conservation" of National Environment Awareness Campaign, 2013-2014 was organized by Environmental Watch and Management Institute on 17th May, 2014 in support of Ministry of Environment and Forest, Government of India and Assam Science Society.
- (33) Attended a workshop on Earthquake Education and Preparedness was organized by Environmental Watch and Management Institute on 23rd August, 2014 sponsored by Ministry of Earth Sciences, Government of India.
- (34) Attended a workshop on Earthquake Education was organized by Environmental Watch and Management Institute on 29th September, 2014. The programme was held in Anan Ingti L.P. School, Guwahati.
- (35) Attended a workshop on Earthquakes in Assam was held in Prithwiram Government Higher Secondary and M.P. School, Goalpara District by Environmental Watch and Management Institute, Guwahati on 18th October, 2014.
- (36) Attended a workshop on Earthquake was organized by Environmental Watch and Management Institute on 29th January, 2015
- (37) Attended a workshop on Earthquake Education on 7th February, 2015 sponsored by Ministry of Earth Sciences, Government of India
- (38) Attended a National Seminar cum Exhibition on "Earthquake Hazards: Monitoring, Mitigation and Management" at Maniram Dewan Trade Centre, Betkuchi, Guwahati-35 on 20th, 21st and 22nd February, 2015, sponsored by Ministry of Earth Sciences, Government of India.
- (39) Attended a workshop on Earthquake Education was organized by Environmental Watch and Management Institute on 28th February, 2015 sponsored by Ministry of Earth Sciences
- (40) Attended a workshop on Earthquake Education was held at Titka High School, Barpeta District on 18th April, 2015
- (41) Attended a workshop on Earthquake Education was held at Parihareswar M.E. School, Barpeta District on 28th April, 2015.

Orientation Courses / Refresher Courses

- (i) Completed an *Orientation course* from Academic Staff College, G.U. 1998.
- (ii) Completed a *Refresher Course* in Chemistry from Academic Staff College, G.U. 1990
- (iii) Completed a *Refresher Course* in Environmental Science from Academic Staff College, Gauhati University, 1996.
- (iv) Completed a *Refresher Course* in Chemistry from Academic Staff College, Gauhati University, 1999.
- (v) Participated in the *Intensive orientation programme* in

Environmental studies as the nodal teacher from 13th September to 18th September 2004, organized by Gauhati University from Introduction of the course at the 1st degree level.

Research Project (Minor/Major):

Minor Research Project:

- (i) Completed a **UGC** sponsored **Minor Research project** on "A study of drinking water quality for a few surface & ground water sources in Bajali area of Barpeta District" as **Principal Investigator, 2005-2006**
- (ii) Completed a **UGC** sponsored **Minor Research project** on "Hydrology and Biodiversity of Deepar Beel Wetland" as **Principal Investigator, 2009-2010**

Major Research Project:

- (i) Completed **UGC** Sponsored **Major Research Project**, on "A Study of Hydrology and Biodiversity Perspective of Deepar Beel wetland". as **Principal Investigator, 2012-2015**

Guideship (Yes/No): **Yes**

Guideship from

1. **Periyar University, Tamilnadu**
2. **Vinayaka Missions University, Tamilnadu**
3. **CMJ University, Shillong**
4. **Singhania University, Rjasthan**

Patent Registered (Yes/No): **No**

Award received (if any): **Awarded *Mahila Siromani Award-2008* by Rastri Samata Satantra Manch, Jaipur (India)**

Engagements with the College (other than academics)

- i) **Member, Governing Body, Bajali College**
- ii) **Member, Assam Science Society**
- iii) **Convenor, Entrepreneurship club**
- iv) **Member, Disaster Management Cell**
- v) **Member, IQAC**
- vi) **Member, Information cum career guidance cell**

Hobbies/Interests: **Reading, Sitar recitation**

Any other relevant information: **No**