

## **Faculty Profile**

**1. Name: DR. SUBHASHREE BASU**

**2. Date of Birth: 12.05.1985**

**3. ASSISTANT PROFESSOR (STAGE II)**

**4. Date of Joining: 09.12.2014**

**5. Name of the Department: DEPARTMENT OF PHYSIOLOGY**

**6. Address**

- **Permanent Address: 144/5 DR. MEGHNATH SAHA ROAD, DUMDUM, KOLKATA: 700074**
- **Corresponding Address: SAME AS ABOVE**

**Contact No.: 9830449470/9903857932**

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**WEB Page, if any: NONE**

**7. Educational Qualifications (Graduation onwards):**

<b>Examination</b>	<b>Name of the University/Institution</b>	<b>Year of Passing</b>	<b>Subject</b>
<b>B.SC.</b>	UNIVERSITY OF CALCUTTA	2006	PHYSIOLOGY
<b>M.SC.</b>	UNIVERSITY OF CALCUTTA	2008	HUMAN PHYSIOLOGY

**8. Research Degree(s):**

<b>Degree</b>	<b>Name of the Degree Awarding Institution</b>	<b>Date of Award</b>	<b>Title</b>
PHD	UNIVERSITY OF CALCUTTA	19.04.2017	PHARMACOGNOSTIC EVALUATION OF SOME COMMONLY CONSUMED TUBERS IN BENGAL AGAINST ALCOHOL INDUCED OXIDATIVE STRESS

**9. Teaching Experience (in Years): 10 YEARS (2008-2011 AS APTT, 2014-2019 AS ASSISTANT PROFESSOR STAGE I, 2019 TILL DATE AS ASSISTANT PROFESSOR STAGE II)**

**10. Specialization/Expertise/Teaching Area: BIOCHEMISTRY, NUTRITION AND DIETETICS**

**11. Courses Taught: PHYSIOLOGY B.SC. HONS AND GENERAL, PHYSIOLOGY M.SC. AND ZOOLOGY M.SC.**

**12. Present Research Activities, if any: IN THE FIELD OF PHARMACOGNOSY**



**13. Major/Minor Research Project(s) Undertaken/Completed(during last 5 years): NONE**

**14. Publications and Others:**

**A] Books Published:**

1. Datta G., Sen A., Das M., **Basu S.** (2021). Lifestyle Induced Addictive Habits: A Socio-Physiological Issue of Kolkata, West Bengal. *In India: Economic, Political and Social Issues West Bengal.* Ed Rhianu Howell. ISBN: 978-1-53619-237-7. Nova Science Publishers.
2. **Basu S.** (2019). Menstrual Hygiene and Cervical Cancer. In Issues of Gender Equality and Sustainable Development. Ed Swagata Biswas, Paromita Ghosh, Susmita Neogi. First Edition. ISBN: 978-9-38938-117-7. Aayu Publications

**B] Research Papers in International/National Journals:**

1. **Basu S**, Das M, Datta G. Phytochemical evaluation and study of in vitro antioxidant potential of ethanolic and aqueous extracts of *Amorphophallus campanulatus*: a popular tuber of West Bengal. *Int. J. Res. Pharm. Sci.* 2012; 3(2):287-295.
2. Datta G\*, **Basu S**, Sen A, Nath P. Role of  $\alpha$ -Tocopherol,  $\beta$  -Carotene and Ascorbic Acid against Alcohol Induced Hepatotoxicity: A Comparative Analysis. *Journal of Pharmacy Research.* 2012; 5(5): 2485-2488.
3. **Basu S**, Sen A, Das M, Nath P, Datta G. Phytochemical evaluation and in vitro study of antioxidant potency of *Amorphophallus campanulatus*, *Alocasia indica* and *Colocasia esculenta*: A Comparative Study. *Int. J. Pharm Bio. Sci.* 2012; 3(3), 170-180.
4. **Basu S**, Das M, Datta G. Protective activity of Ethanolic Extract of *Amorphophallus campanulatus* against ethanol induced hepatotoxicity in rats. *International Journal of Pharmacy and Pharmaceutical Sciences.* 2013; 5(2): 412-417.
5. **Basu S**, Roy Choudhury U, Das M, Datta G. Identification of Bioactive Components in Ethanolic and Aqueous Extracts of *Amorphophallus campanulatus* Tuber by GC-MS Analysis. *International Journal of Phytomedicine*, 2013; 5(2): 243-251.
6. **Basu S**, Das M, Sen A, Roy Choudhury U, Datta G. Analysis of complete nutritional profile of *Amorphophallus campanulatus* tuber cultivated in Howrah district of West Bengal, India. *Asian Journal of Pharmaceutical and Clinical Research*, 2014; 7(3): 25-29.
7. **Basu S**, Das M, Sen A, Utpal RoyChoudhury, Datta G. Analysis of complete nutritional profile and identification of bioactive components present in *Alocasia indica* tuber cultivated in Howrah district of West Bengal, India. *Asia Pacific Journal of Tropical Medicine*, 2014; 7(Suppl1): S527-S533.
8. Sen A, Das M, **Basu S**, Datta G. Prevalence of hypertension and its associated risk factors among Kolkata-based policemen: a sociophysiological study. *International Journal of Medical Science and Public Health*, 2015; 4(2): 1-8.

9. Das, M., **Basu, S.**, Sen, A., Datta, G. (2016). Quantitative phytochemical screening, nutritional assessment, and antioxidant potency of two varieties of *Capsicum annum*. *Indian Journal of Physiology and Allied Sciences*, 70(3), 87-95.
10. Sen, A., Das, M., **Basu, S.**, Datta, G. (2016). Socio-demographic and lifestyle determinants of smokeless tobacco consumption and its association with obesity and hypertension. *Indian Journal of Physiology and Allied Sciences*, 70(4), 163-176.
11. Das, M., **Basu, S.**, Sen, A., Datta G.P., (2017). Nutritional Profile, Mineral Content and *in vitro* Antioxidant Potency of *Capsicum annum* L. Cultivated in 24 Parganas (South), West Bengal, India.
12. **Basu, S.**, Das, M., Sen, A., Datta, G.P., (2018). Protective role of crude extract of *Amorphophallus campanulatus* against ethanol-induced oxidative renal damage. *Asian Journal of Pharmaceutical and Clinical Research*, 11(1), 240-250.
13. Das, M., **Basu, S.**, Banerjee, B., Sen, A., Jana, K., Datta, G.P., (2018). Hepatoprotective effects of green *Capsicum annum* against ethanol induced oxidative stress, inflammation and apoptosis in rats. *Journal of Ethnopharmacology*, 227, 69–81
14. Das M., **Basu S.**, Banerjee B., Jana K., Sen A., Datta G. Renoprotective effect of *Capsicum annum* against ethanol-induced oxidative stress and renal apoptosis. *Journal of Food Biochemistry*. 2020, 1-14

## C] Conference Papers:

### a) International Conference:

1. Basu, S., Das, M., Sen, A., Datta, G.P. Antioxidant effect of hydroethanolic extract of *Amorphophallus campanulatus* in ethanol induced hepatotoxicity in International Conference on Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences (ICCIIFCAPAS), organized by Department of Human Physiology, Vidyasagar University, Paschim Medinipur, West Bengal on January 21-22, 2020.

### b) National Conference

1. Basu, S., Sen, A., Datta, G.P. Prevalence of Microalbuminuria in Non Insulin Dependent Diabetic Patients: A Cross-Sectional Study among Kolkata and Its Suburban Population in National Seminar on “Emerging trends in Biophysical Researches” Organized by Department of Biological Sciences (Botany, Zoology, Physiology & Nutrition) & Department of Physics, Ramananda College, Bishnupur, Bankura, On September 12-13, 2011.
2. Basu, S., Sen, A., Datta, G.P. Hepatoprotective Role of  $\alpha$ -tocopherol Against Alcohol induced Liver Damage in National Conference on Interface of Science and Environment: Emerging Public Health Challenges and the 13<sup>th</sup> Annual Meeting of the Society for Science and Environment [SCIENVIRON, 2011], Organized by School of Tropical Medicine, Kolkata; All India Institute of Hygiene & Public Health; Indian Institute of Social Welfare & Business Management, Kolkata On 24-26 November, 2011.

3. Basu, S., Sen, A., Datta, G.P. Comparative Study of Hepatoprotective Role of  $\alpha$ -Tocopherol,  $\beta$ -Carotene and Ascorbic Acid against Alcohol Induced Oxidative Stress in 57<sup>th</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2011) at All India Institute of Medical Sciences, New Delhi on December 13-17, 2011.
4. Basu, S., Das, M., Sen, A., Datta, G.P. Comparative in vitro study of antioxidant potential of ethanolic extract of *Amorphophallus campanulatus* and *Alocasia indica* in 100<sup>th</sup> Indian Science Congress organized by Indian Science Congress Association, Kolkata held at Calcutta University, Kolkata from 3-7<sup>th</sup> January, 2013.
5. Basu, S., Das, M., Sen, A., Datta, G.P. Evaluation of *in vivo* antioxidant potential of *Amorphophallus campanulatus* against ethanol induced hepatotoxicity in The 59<sup>th</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2013) during at NIMHANS, Bengaluru 28-30 November, 2013.
6. Basu, S., Das, M., Sen, A., Datta, G.P. Evaluation of antioxidant potency of *Amorphophallus campanulatus* against ethanol induced oxidative stress in The 34<sup>th</sup> Annual Conference of Indian Association of Biomedical Scientists (IABMS) held at Dr. ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai from 27-29 December, 2013.
7. Basu, S., Das, M., Sen, A., Datta, G.P. Evaluation of *in vivo* antioxidant potential of *Alocasia indica* against ethanol induced hepatotoxicity in 60<sup>th</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2014) at Blue Lily Beach Resort, Puri, Odisha during 20-22 November, 2014.
8. Basu, S., Das, M., Sen, A., Datta, G.P. Hypolipidemic effect of Ethanolic extract of *Amorphophallus campanulatus* against ethanol induced Hyperlipidemia in The 61<sup>st</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2015) at Jodhpur AIIMS, Rajasthan, during 26-28 November, 2015.
9. Basu, S., Das, M., Sen, A., Datta, G.P. Protective Role of Ethanolic Extract of *Amorphophallus campanulatus* tubers on glutathione metabolizing enzymes, proinflammatory cytokines and DNA fragmentation in The 62<sup>nd</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2016) at AIIMS, Patna, Bihar, during 22-24 October, 2016.
10. Basu, S., Das, M., Sen, A., Datta, G.P. Protective Role of *Alocasia indica* against Ethanol Induced Hepatic Injury in Adult Male Wistar Rats: Impact on Oxidative Stress, Inflammation and Apoptosis in XXVIII<sup>th</sup> Annual Conference of the Physiological Society of India (PHYSIOCON-2016) Organized by Department of Physiology, Midnapore College (Autonomous), November 18 – 20, 2016.
11. Basu S. An interface of library science and interdisciplinary research in RRRLF sponsored Two Day National Seminar on ‘Role of Public Library in Archiving the Cultural Heritage of Bengal’ Organized by Central Library, Tamralipta Mahavidyalaya, Tamluk, on January 9-10, 2018.
12. Basu S. Menstrual Hygiene and risk of cervical cancer: An Indian Scenario in Two day National Seminar on “Gender Equality and Sustainable Development”, Organized by Department of Home

Science, University of Calcutta in collaboration with Internal Complaints Committee, University of Calcutta on March 27 – 28, 2019.

#### D] Conference/Symposium Attended

- **International Level**

Name of The Conference	Organizer, Date, Venue	Financially Supported by
Contemporary Innovative Issues and Future Challenges in Physiology And Allied Sciences (ICCIIFCAPAS)	Department of Human Physiology, Vidyasagar University, Paschim Medinipur, West Bengal.  January 21-22, 2020.	

- **National Level**

Name of The Conference	Organizer, Date, Venue	Financially Supported by
Emerging Trends in Biophysical Researches	<b>Organized by:</b> Department of Biological Sciences (Botany, Zoology, and Physiology & Nutrition) & Department of Physics, Ramananda College, Bishnupur, Bankura.  <b>Venue:</b> Ramananda College, Bishnupur, Bankura.  <b>Date:</b> September 12-13, 2011.	UGC
Interface of Science And Environment: Emerging Public Health Challenges	<b>Organized by:</b> School of Tropical Medicine, Kolkata; All India Institute of Hygiene & Public Health; Indian Institute of Social Welfare & Business Management, Kolkata.  <b>Venue:</b> Conference Hall of Indian Institute of Social Welfare & Business Management, Kolkata.  <b>Date:</b> November 24-26, 2011.	
57 <sup>th</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2011).	<b>Organized By:</b> Association of Physiologists and Pharmacologists of India.  <b>Venue:</b> All India Institute of Medical	

	Sciences (AIIMS), New Delhi <b>Date:</b> December 13-17, 2011	
100 <sup>th</sup> Indian Science Congress organized by Indian Science Congress Association, Kolkata.	<b>Organized by:</b> Indian Science Congress Association, Kolkata <b>Venue:</b> Calcutta University, Kolkata <b>Date:</b> January 3-7, 2013	
The 59 <sup>th</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2013). during at	<b>Organized By:</b> Association of Physiologists and Pharmacologists of India. <b>Venue:</b> NIMHANS, Bengaluru <b>Date:</b> November 28-30, 2013.	
34 <sup>th</sup> Annual Conference of Indian Association of Biomedical Scientists (IABMS)	<b>Organized By:</b> Association of Biomedical Scientists. <b>Venue:</b> Dr. ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai. <b>Date:</b> December 27-29, 2013.	
60 <sup>th</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2014).	<b>Organized By:</b> Association of Physiologists and Pharmacologists of India. <b>Venue:</b> Blue Lily Beach Resort, Puri, Odisha. <b>Date:</b> November 20-22, 2014	
The 61 <sup>st</sup> Annual Conference of Physiologists and Pharmacologists of India (APPICON, 2015) at during	<b>Organized By:</b> Association of Physiologists and Pharmacologists of India. <b>Venue:</b> Jodhpur AIIMS, Rajasthan <b>Date:</b> November 26-28, 2015.	
XXVIIIth Annual Conference of the Physiological Society of India (PHYSIOCON-2016) Organized by	<b>Organized By:</b> Department Of Physiology, Midnapore College (Autonomous). <b>Venue:</b> Midnapore College. Paschim Medinipur. <b>Date:</b> November 18 – 20, 2016.	
Role of Public Library in Archiving the Cultural Heritage of Bengal.	<b>Organized By:</b> Central Library, Tamralipta Mahavidyalaya, Tamluk <b>Venue:</b> Tamralipta Mahavidyalaya, Tamluk Purba Medinipur.	

	<b>Date:</b> January 9-10, 2018.	
Gender Equality and Sustainable Development	<b>Organized by:</b> Department of Home Science, University of Calcutta in collaboration with Internal Complaints Committee, University of Calcutta  <b>Venue:</b> Department of Home Science, Viharilal College for Home and Social Science.  <b>Date:</b> March 27 – 28, 2019.	

**E] Invited Lectures Delivered in Seminars/Webinars: (Title, Name of Seminar, Organizer Date and Venue):**

1. Protective Role of *Alocasia indica* against Ethanol Induced Hepatic Injury in Adult Male Wistar Rats: Impact on Oxidative Stress, Inflammation and Apoptosis in XXVIIIth Annual Conference of the Physiological Society of India (PHYSIOCON-2016) Organized by Department of Physiology, Midnapore College (Autonomous), November 18 – 20, 2016.
2. Antioxidant effect of hydroethanolic extract of *Amorphophallus campanulatus* in ethanol induced hepatotoxicity in International Conference on Contemporary Innovative Issues and Future Challenges in Physiology and Allied Sciences (ICCIIFCAPAS), organized by Department of Human Physiology, Vidyasagar University, Paschim Medinipur, West Bengal on January 21-22, 2020.

**F] Orientation Programme/Refresher Course/Short Term Course Completed:**

1. Participated in UGC – SPONSORED ORIENTATION PROGRAMME 113 Organized by HUMAN RESOURCE DEVELOPMENT CENTRE (HRDC), UNIVERSITY OF CALCUTTA from 15.02.2016 to 12.03.2016.
2. Two Weeks Faculty Development Programme for S & T Participant at Tamralipta Mahavidyalaya, Tamluk Organized by Webcon Consulting (India) Ltd, Kolkata from August 18 to 30, 2017.
3. The Faculty Development Program titled ‘Campus to Corporate’ designed by Tata Consultancy Services on February 05-09, 2018.
4. Participated in Refresher Course in Biological Science organized by Human Resource Development Centre (HRDC), University of Calcutta from 02.01.2019 to 22.01.2019.
5. Seven Day Research Week on Nature, Culture and Politics organized by Centre for Environmental Studies, Vidyasagar University, Midnapore, West Bengal from 10-16 February, 2020.
6. Participated in UGC-Sponsored Refresher Course in Bio-Sciences (Interdisciplinary) (Duration: Two Weeks, Mode: Online) from 11.12.2020 to 24.12.2020 organized by UGC-HRDC, Bharathidasan University, Tiruchirappalli.

**G] Articles Published in Magazines: None**

**15. Awards and Recognitions, if any:**

- Awarded INSPIRE fellowship JRF (2011-2013) and SRF (2013-2014) [**No. DST/ INSPIRE fellowship/2010/108**] for pursuing full-time doctoral Program.
- Awarded **Best Oral Paper Presentation Certificate** and Prof. Bimal Sharma “**Gold Medal**”, **Young Scientist Award** at National Conference on Interface of Science and Environment: Emerging Public Health Challenges and the 13<sup>th</sup> Annual Meeting of the Society for Science and Environment [**SCIENVIRON, 2011**].

**16. Membership of Reputed Bodies/Organizations including Professional Associations:**

- Life Member of INDIAN SCIENCE CONGRESS ASSOCIATION SINCE 2013
- Life Member of PHYSIOLOGICAL SOCIETY OF INDIA SINCE 2016

**17. Significant Information, if any:**

- Awarded **first class 1<sup>st</sup> in B.Sc. (Hons)** 2006 in Physiology under **University of Calcutta**.
- Awarded **first class 1<sup>st</sup> in M.Sc. (Human Physiology)**, 2008 from Rammohan College under **University of Calcutta**.
- Qualified at the **Thirteenth West Bengal SET-2008** for eligibility for Lectureship in the subject Life Science