

## RESUME

**NAME:** DR AMIT BARAN SHARANGI

**DESIGNATION:** Professor, Dept of PSMA & DEAN, F/Horticulture

**CONTACTS:**

**1. OFFICIAL ADDRESS FOR CORRESPONDENCE:**

Professor & DEAN, Faculty of Horticulture,  
Dept of Plantation, Spices, Medicinal & Aromatic Crops; Bidhan Chandra  
Krishi Viswavidyalaya (Agricultural University); PO:Krishiviswavidyalaya  
-741252, Nadia, WB,INDIA

**2.PHONE :** **Mobile:** +91-9433313117  
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**EMAIL :** **Institutional:** sharangi.amitbaran@bckv.edu.in  
**Alternative:** profabsbckv@gmail.com

**3.ORCID ID:** 0000-0001-6630-5999

**4.GOOGLE SCHOLAR PROFILE:**

[https://scholar.google.co.in/citations?user=7yC3v\\_MAAAAJ&hl=en](https://scholar.google.co.in/citations?user=7yC3v_MAAAAJ&hl=en)

**5.RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Amit-Sharangi>

**6.DATE OF BIRTH:** 09/01/1970

**7.DATE OF JOINING TO THE UNIVERSITY:** 15/12 /1997



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**8. ACADEMIC PROFILE:**

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
POST-DOCTORAL	Post Doctoral	University of Melbourne (Australia)	2010
DOCTORAL	Ph.D.	BCKV(Agricultural Univ) India	2001
MASTER'S	M.Sc.	BCKV(Agricultural Univ); India	1994
BACHELOR'S	B.Sc.	BCKV(Agricultural Univ) India	1991

**9. EMPLOYMENT HISTORY:(Starting from present position)**

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
DEAN, Faculty of Horticulture	BCKV (Agricultural Univ)	2023	Till date
Professor	BCKV (Agricultural Univ)	2012	Till date
Professor and HOD	BCKV (Agricultural Univ)	2014	2018
Associate Professor	BCKV (Agricultural Univ)	2006	2012
Assistant Professor	BCKV (Agricultural Univ)	1997	2006

FULBRIGHT-Nehru Visiting Prof (USA)	BCKV (Agricultural Univ)	15-01-2013	14-05-2013
INSA-Royal Society of Edinburgh Visiting Scientist (UK)	BCKV (Agricultural Univ)	28-02-2011	25-03-2011

#### 10. ADMINISTRATIVE POST(S)/ RESPONSIBILITY(IES) (IF ANY)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1	DEAN, Faculty of Horticulture	18.08.2023	Till date
2	HOD, Deptt of PSMA	28.02.2014	27.02.2018
3	OIC, AICRP on Palms	11.03.2024	Till date
4	Programme Officer, NSS	16.08.2004	18.01.2016
5	Nodal Officer, Academic Management System	15.01.2021	Till date

#### 11. AREA OF RESEARCH : (Bulleted list)

- Germplasm evaluation and characterization (morphological, genetic and molecular) of herbs, spices, medicinal & aromatic plants.
- Standardization of agrotechniques of various herbs, spices, medicinal & aromatic plants.
- Quality studies, improvement, Post Harvest and Value addition of herbs, spices, medicinal & aromatic plants.
- Propagation of tree spices including black pepper.
- Year-round production of coriander and fenugreek for leaves.
- Drying kinetics with a view to colour, texture, storability and other quality issues of different spices.
- Nutraceuticals and bioactive compounds of herbs, spices, medicinal & aromatic plants.
- GIS and microclimatic studies related to Plantation crops, spices and MAPs.
- Studies on Allelopathy with special reference to Alliaceae family
- Nanotechnology and biomedical applications related to PSMACrops
- Application of natural plant based extracts, phytochemicals and bioactive compounds against cancer and other ailments.

## 12. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT (Th+Pr)
<b>UNDER GRADUATE</b>	Hort-102	Water management of Horticultural crops	2(1+1)
	Hort-253	Spices and Condiments	3(2+1)
	Hort-305	Breeding of Vegetable, Tuber & Spice crops	3(2+1)
	Hort-351	Seed production of Vegetable, Tuber & Spice crops	3(2+1)
	Hort-401	STUDENT READY-Rural Horticultural Work Experience Programme (RHWE)	20(0+20)
	ELP-451	Experiential Learning Programme – Commercial Horticulture	10(0+10)
	ELP-453	Experiential Learning Programme –Processing Of Fruits & Vegetables for Value Addition	10(0+10)
<b>POST GRADUATE</b>	PSM-502	Production of Plantation & Spice crops	3(2+1)
	PSM-504	Breeding of Spice crops	3(2+1)
	PSM-505	Breeding of Medicinal and Aromatic crops	2(1+1)
	PSM-507	Systematics of Medicinal and Aromatic crops	2(1+1)
	PSM-508	Underexploited Spice crops	2(2+0)
	PSM-599	Research/Thesis	30(0+30)
<b>Ph.D.</b>	PSM-601	Recent breeding approaches in Plantation, Spice, Medicinal and Aromatic crops	3(3+0)
	PSM-603	Advances in production of Medicinal and Aromatic crops	3(3+0)
	PSM-605	Biotechnological approaches in PSMA crops	3(3+0)
	PSM-692	Ph D Seminar-II	1(0+1)
	PSM-699	Research/Thesis	75(0+75)

## 13. NUMBER OF STUDENTS SUPERVISED:

**Master's: 20; Doctoral: 8**

## 14. RESOURCE PERSON FOR OTHER INSTITUTES (involvement in teaching or working as member of academic/ research bodies of other organizations, if any)

- I. Involvement in teaching: FULBRIGHT-Nehru Visiting Professor AWARD, 2012-13 FSB, Washington DC, USA and the host Institute was Louisiana State University, Baton Rouge, LA, USA.
- II. Working as member of academic/ research bodies:  
School Board Member, SASRD, Nagaland University
- III. Working as Member, Selection Board; National level and Institutional paper setter for different examinations and External Examiner for UG and PG research at different Institutes and SAUs.

## 15. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES:

Fellow, International Society for Research & Development (ISRD), UK: Since 2015

Fellow, West Bengal Academy of Science & Technology (WAST): Since 2015

Fellow, International Society for Research & Development (ISRD): Since 2016

Fellow, Society for Applied Biotechnology (SAB): Since 2016

Fellow, Academy of Environment & Life sciences (AELS): Since 2016

Fellow, International Scientific Research Organisation for Science, Engineering & Technology (ISROSET ): Since 2017  
 Fellow, Scientific Society of Advanced Research & Social Change(SSARSC): Since 2017  
 Fellow, Society of Pharmacognosy & Phytochemistry (SPP): Since 2018  
 Fellow, International Society for Noni Science (ISNS): Since 2020  
 Eminent Fellow, SAS (By Scholars Academic & Scientific Society, India): Since 2021  
 Life Member, Global Economic Progress and Research Association: 2020  
 Honorary Life Member, Board of SADHNA (Society for Advancement of Human & Nature): Since 2014  
 Life Member, The National Academy of Sciences, India (NASI): Since 2014  
 Life Member, National Academy of Biological Sciences (NABS) : Since 2013  
 Life Member, Indian Society for Spices (ISS): Since 2009  
 Life Member, Horticulture Society of India (HSI): Since 2008  
 Life Member, Crop and Weed science Society(CWSS):Since 2006  
 Life Member, Society for the Advancement of Horticulture (SAH): Since 1997;2007-Present  
 (As Joint Secretary)  
 Life Member, International Society for Noni Science (ISNS), India: Since 2014  
 Life Member, the New York Academy of Sciences (NYAS), USA: Since 2012  
 Life Member, World Academy of Science, Engg. and Technology (WASET), USA  
 Life Member, Association for Tropical Biol & Conservaion (ATBC), Boston, USA-2017  
 Life Member, Asian Council of Science Editors since 2021 (Membership No. 91.367)  
 Life Member, African Forest Forum (AFF), Nairobi, Kenya  
 Life Member, Asian Council of Science Editors  
 Life Member, Society for the Adv of Biology Education Research (SABER), USA

## 16. PROJECT ACTIVITIES:

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	Herbal Garden at BCKV	AYUSH, New Delhi, Govt of India	Completed	Principal Investigator
2	Standardisation of Multiplication techniques of Black Pepper (Piper nigrum L.) for Commercial Planting	Deptt of Food Processing Industries and Horticulture, Govt. of West Bengal,India	Completed	Principal Investigator
3	Evaluation of bioeffectiveness, phyto-toxicity and residue of Gibberellic acid 0.45% on Chilli	M/s Krishi Rasayan Exports Private Ltd., Kolkata, West Bengal,India	Completed	Principal Investigator
4	Plant Protection of Medicinal plants at BCKV	AYUSH, New Delhi, Govt of India	Completed	Co-Principal Investigator
5	Nutrient management and keeping quality of Betelvine (Piper betle L.)	Deptt of Food Processing Industries and Horticulture, Govt. of West Bengal	Completed	Co-Principal Investigator
6	Development of model for Sustainable Backyard Poultry Farming System in West Bengal	RKVY, Govt. of India	Completed	Co-Principal Investigator

## 17. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME

### A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	Farmers' Training Programme on "Popularization of Black Pepper in West Bengal"	Two days (December 22 and 23, 2010)	Mohanpur, BCKV	Organising Secretary
2	Farmers' Training Programme on "Spices, Plantation crops & MAPs in West Bengal".	Two days (March 30 and 31, 2015)	Mohanpur, BCKV	Member, Organising Committee

### B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	Science Academies Online Lecture Workshop on "Frontiers in Science & Engineering" by Science Foundation and MHRD-IIC-DDUC Chapter.	14-19 September 2020	Online	Participant
2	Certificate course on "HPLC Troubleshooting" presented by Cyrille Lamboley organized by Restek Corp, Bellefonte, USA.	24 November 2020	Online	Participant
3	International webinar on "Plant Science Research Post Covid-19" organized by Dept of Botany, Rajiv Gandhi University, India in collaboration with Tennessee State University, Nashville, USA.	22-23 January 2021	Online	Participant
4	Webinar on "R Discovery Global Symposium for Literature Search" organized by R Discovery, Cactus Communications.	28th May 2021	Online	Participant
5	Webinar on "UGC-CARE : Indian Perspective" organized by the Society For Plant Research, VEGETOS, on (Certi No: 20215891495785).	3rd July 2021	Online	Participant
6	International webinar on "Recent advances in sustainable integrated disease management in plantation crops" organized by ICAR-Indian Institute of Oil Palm Research, Pedavegi, Andhra Pradesh .	6-8 July 2021	Online	Participant
7	Journal Citation Reports (JCR) Certificate Series-2021 organised by Clarivate (Certi ID: 12768545834).	July 8, 2021	Online	Participant

## 18. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

### A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	International Webinar on "Hi-Tech Horticulture: A Sunrise Sector".	October 7, 2020	Faculty of Horticulture, BCKV, Mohanpur	Organizing Secretary
2	International Conference on "Challenges in Social Science Research (CSSR-2017)"	September 29-30, 2017	Bangkok, Thailand	Member-Scientific Review Committee
3	World Coconut Day Seminar & Farmers Training on "Coconut Cultivation and Processing" on at BCKV	September 2 (2015,2016,2017,2018, 2019,2023)	Horticultural Research Station, Mondouri, Dept of PSMA, F/Horticulture, BCKV	Organizing Committee

### B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	International Conference (Virtual) on BioTrendz "Advancement & Challenges in Science and Technology"	March 25, 2023	Noida Institute of Engineering and Technology, Greater Noida, India	Lead Speaker
2	National Seminar on Horticulture for Sustainable Development, Nutritional & Livelihood Security	May 26-27, 2022	Uttar Banga Krishi Viswavidyalaya (UBKV), Pundibari, West Bengal, India	Lead Speaker and Co-Chairman
3	Online Webinar on Challenges of Food Science	March 26, 2022	Dept of Food Science & Technology, Maulana Abul Kalam Azad University of Technology (MAKAUT), WB, India	Guest Speaker (Invited Lecture)
4	Online Brainstorming workshop on mainstreaming of Agriculture in India	June 16, 2021	ICAR-IASRI (Indian Agricultural Statistics Research Institute), New Delhi, India	Key Note lecture
5	International Webinar on Indian Spices	May 22, 2021	C4RD and Parul University (PU), Gujarat, India	Key Note lecture
6	International Conference on Contemporary issues in integrating climate-The emerging areas of Agriculture and Horticulture	May 11-12, 2017	Kalimpong, WB, India	Invited lecture & Chair of a Technical Session

## **19. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):**

### **I. Patents:**

**a) German Patent (Utility Patent):** Novel IoT-based inventory management system with radio-controlled Pallet mobile rack for storage solutions. DE file number DAKZ: 20 2023 102 733.4 IPC main class ICM (ICMV): G06Q 10/08 (2023.01)(Date of first publication PUB: Jun 19, 2023)

**b) Indian Patent (Design Patent):** Solar assisted seed breeding chamber.

Common applications include: seed breeding, plant growth, tissue culture, germination, storage and other agri-horticultural aspects. **Application Number:** 382186-001 **Cbr Number:** 203742(Design Accepted and Published, Journal Number: 40/2023 and Journal Date : 06/10/2023)

### **II. Honours, Awards & Recognition:**

- FULBRIGHT-Nehru Visiting Professor (USA),
- INSA-Royal Society of Edinburgh Visiting Scientist (UK),
- International R&D (Israel),
- OLF – Occasional Lecture Fellowship (USA),
- Marquis' Who's Who (USA), 5 Consecutive years
- Man of the Year-2015(UK),
- Outstanding Scientist, 2015
- Distinguished Leader, 2018
- Bharat Ratna Mother Teresa Gold Medal Award-2020
- Editor in Chief of three international journals-(Intl J of Agricultural Res, Trends in Hort., J of Plant Sciences),
- Associate editor of many international journals,
- Technical editor of many international journals,
- Editorial Board Member of many international and national journals,
- Active Reviewer of many international and national journals,
- ENDEAVOUR Post doctoral fellow (Australia)-2010; University of Melbourne (AUSTRALIA); 17-03-2010 to 16-09-2010 (Six months)
- ICAR-JFS (Junior Fellowship),

- ICAR-NET (National Eligibility Test for Assistant Professorship),
- **Nominated as a Member** in the National level **Broad Subject Matter Area (BSMA) Committee-2019** constituted by the **Director General (DG), ICAR, Govt of India** under Spices and Plantation crops of Horticultural Sciences.
- Chair, Technical Sessions of International Symposium/Conference-2016,2017, 2019
- Co-Chair, Technical Sessions of National Symposium/Conference-2017
- Resource Person in ICAR Sponsored Winter Schools: Three times
- Honorary Board Member, SADHNA, Dr YSPUH & F (Solan)
- Member, PME (Priority setting, Monitoring & Evaluation) Cell, BCKV, West Bengal
- Young Achiever's Award-2013 (SADHNA)
- **Best Research Paper Award** conferred by the Gaurav Society, ARCC
- **Editor-in-Chief of three Science Alert Journals, USA**; Since April 23, 2012 to till date
- **Review Editor of two Frontiers Journals:**
  - ✓ Frontiers in Horticulture, Switzerland
  - ✓ Frontiers in Nat Products, Switzerland
- **Associate Editor of four journals :**
  - ✓ American Journal of Plant Physiology& Research
  - ✓ Journal of Medicinal Plants, USA
  - ✓ Journal of Agri Food and Development, CHINA
  - ✓ National Journal of Pharmaceutical Science, India
- **Editorial Board Member of fourteen international journals:**
  - ✓ Journal of Research in Biology, India
  - ✓ Indian Journal of Horticulture, IAHS
  - ✓ Intl Journal of Applied Agricultural Sciences,USA
  - ✓ International Journal of Advance Research & Review
  - ✓ American Journal of Food Science & Nutrition
  - ✓ Science International, UAE
  - ✓ SCIERA Journal of Agriculture
  - ✓ MC Agri & Environmental Science
  - ✓ Journal of Scientific Agricultue
  - ✓ European Journal of Pharmaceutical and Medical Research, Bulgaria
  - ✓ Journal of Advancements in Plant Sciences,USA



- ✓ Innovative Techniques in Agriculture (ITAG)
- ✓ Scientia Ricerca, USA

- **Active Reviewer of various journals:**

Indian Journal of Horticulture, Critical Reviews in Food Science and Nutrition, BMC Plant Biology, F1000Research, Molecules, International Journal of Molecular Science , Journal of Genetic Engineering & Biotechnology, Frontiers in Pharmacology and so on.

- **Joint Secretary, Society for the Advancement of Horticulture**, Since 2007- till date
- Member, Executive Council as **Editor, CWSS** (Crop & Weed Science Society) **Newsletter** since 2008

## **20. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):**

- The New York Academy of Sciences (NYAS), USA
- World Academy of Science, Engg. and Technology (WASET), USA
- Association for Tropical Biol & Conservaion (ATBC), Boston, USA
- Asian Council of Science Editors (Membership No. 91.367)
- African Forest Forum (AFF), Nairobi, Kenya
- Asian Council of Science Editors
- Society for the Adv of Biology Education Research (SABER), USA
- Registered Expert in the FP7 (EMM, Europa)
- Scientific Committee and Editorial Review Board on Medical and Biological Sciences,
- World Academy of Science, Engineering and Technology (WASET)
- Certified PUBLONS ACADEMY Peer Reviewer (Clarivate-Web of Science)
- Agricultural Research Organisation(ARO), Tel Aviv, ISRAEL

## **21. PUBLICATIONS**

### **A. BOOKS**

- **Biotechnology of Medicinal Plants with Anti-allergic properties: Research Trends & prospects** (2024, English). **SPRINGER NATURE**, Singapore Pte Ltd.,1st Ed, 705 p. ISBN: 978-981-97-1466-7.
- **Medicinal Plants: Bioprospecting and Pharmacognosy** (2022, English). **Apple Academic Press**, Inc. 9 Spinnaker Way, Waretown, New Jersey 08758 USA. ISBN: 978-1-77463-845-3.

- **Biotechnology of Anti-diabetic Medicinal Plants** (2021, English). **SPRINGER NATURE**, Singapore Pte Ltd., 1st Ed, 469 p. ISBN:978-981-16-3528-1. <https://doi.org/10.1007/978-981-16-3528-1>.
- **Aromatic Plants: The Technology, Human Welfare and Beyond** (2021, English). **Nova Science Publishers, Inc.**, New York, USA. ISBN: 978-1-53619-322-0.
- **Immunizing Human body: The Role of Non-Descript and Traditional Green Leaves** (2021, English). **Nova Science Publishers, Inc.**, New York, USA. ISBN:978-1-53619-136-3 .
- **Indian Spices: The Legacy, Production and Processing of India's Treasured Export** (2018, English). **SPRINGER NATURE, USA**. ISBN:978-3-319-75016-3.
- **Underexploited Spice Crops: Present Status, Agrotechnology and Future Research Directions** (2018, English). **Apple Academic Press, Inc.** 9 Spinnaker Way, Waretown, New Jersey 08758 USA. ISBN:978-1-77188-697-0.
- **Spices: Agrotechniques for Quality Produce** (2018, English). **Apple Academic Press, Inc.**, 9 Spinnaker Way, Waretown, New Jersey 08758 USA. ISBN:978-1-77188-635-2.
- **Value Addition of Horticultural crops: Recent trends and Future directions'** (2015, English). **SPRINGER, USA**; ISBN:978-81-322-2261-3.
- **Production Technology of Plantation, Spices, Medicinal & Aromatic Crops (2023, English)**. **Elite Publishing House, New Delhi-110089, India** ; ISBN:978-93-95185-82-0.
- **Uncertainty and Chaos in Indian Farming (2023, English)**. **The New India Publishing Agency, New Delhi-110034, India** ; ISBN:978-81-90022-45-3.
- **Edible Ornamental Medicinal and Aromatic Flowers: The Technology, Healthcare and Beyond** (2022, English). **Brillion Publishing.**, New Delhi-110005, India; ISBN:978-93-92725-82-1.
- **Stewardship and conservation in Agriculture: The Small Farm Reality** (2022, English). **Astral International Pvt. Ltd.**, New Delhi-110002, India; ISBN:978-93-5461-175-9.
- **Hunger, Poverty and Voice (2022, English)**. **Astral International Pvt. Ltd.**, New Delhi-110002, India ; ISBN:978-93-5461-362-3.
- **Botany and Breeding of Spice crops (2021, English)**. **The New India Publishing Agency, New Delhi-110034, India** ; ISBN:978-93-90591-01-5.
- **Seed Priming: A focus on coriander (2020, English)**. **Satish Serial Publishing House, New Delhi - 110033, India** ; ISBN:978-93-53870-19-5.
- **Handbook on Medicinal Plants in** (2020, English). **Agrotech Publishing Academy, Udaipur**; ISBN: 978-81-8321-511-4.
- **Coriander in Eastern India: The landraces and Genetic diversity** (2017, English). **Krishi Sanskriti Publications, New Delhi**; ISBN: 978-93-85822-48-3.
- **Enterprise, Entrepreneurship and Agribusiness Management** (2015, English). **Agrotech Publishing Academy, Udaipur**; ISBN:978-81-83213-84-4.

- **Seed Production of selected Horticultural crops** 2014 (English). **Astral International Pvt. Ltd.**, New Delhi-110002; ISBN: 978-93-5124-280-2.
- **Precision Horticulture towards Value addition and Marketing** (2012, English). **Agrotech Publishing Academy**, Udaipur; ISBN:978-81-83212-64-6 & 978-81-83212-64-9.
- **Gender issues in Agri-Horti-Enterprises** (2009,English).**Agrotech Publishing Academy**, Udaipur;ISBN:978-81-8321-135-5.
- **Encyclopaedia of Horticulture and Allied terms** (2009,English). **Daya Publishing House**, New Delhi; ISBN: 978-81-7035-572-9.
- **Technology Gap in Floriculture** (2009,English). **Agrotech Publishing Academy**, Udaipur; ISBN: 978-81-8321-133-8.
- **Disaster Management : Concept, People and Perception** (2009, English). **Agrotech Publishing Academy**, Udaipur; ISBN: 978-81-8321-150-5.
- **Quality Management in Horticulture** (2008, English). **Agrotech Publishing Academy**, Udaipur; ISBN: **978-81-8321-090-2**.
- **Varieties of Horticultural Crops** (2006, English). **Agrotech Publishing Academy**, Udaipur; ISBN: 978-81-8321-032-5.

## **B. BOOK CHAPTERS (Best 10)**

·Upadhyay, T.K.; Das, S.; Mathur,M.; Alam, M.; Bhardwaj,R.; Joshi, N. and **Sharangi A B** (2024) Medicinal plants and their bioactive components with anti-diabetic potentials. In: *Anti-diabetic Medicinal plants---Applications and Opportunities* (eds. Naeem, M. and Aftab, T.), Chapter 10, pp. 327-364, **Elseviere**, <https://doi.org/10.1016.B978-0-323-95719-9.00017-3>.

·**Sharangi, A. B.**; Prasada Rao, G.S.L.H.V.; Das, Suddhasuchi; Krishnamurthy, K.S.; Upadhyay, T.K.; Gopakumar, C.S.; Acharya, S.K. (2024) Brunt of climate change and spice crops: Scenario, Response and Resilience. In: *Handbook of Indian Spices @ 75 years of Research and Development* (eds. Ravindran, P.N. et al), Chapter 12; **SpringerNature** Singapore Pte Ltd. [https://doi.org/10.1007/978-981-19-3728-6\\_12](https://doi.org/10.1007/978-981-19-3728-6_12).

· Swami,D. V.; Anitha, M.; Chandra Surya Rao,M. and **Sharangi, A.B.** (2022) Medicinal Plants: Perspectives and Retrospectives. In: *Medicinal Plants: Bioprospecting and Pharmacognosy* (eds. Sharangi, A.B. and Peter, K.V.); **Apple Academic Press**, Inc. 9 Spinnaker Way, Waretown, New Jersey 08758 USA. Chapter 1. pp.1-28. ISBN: 978-1-77463-845-3.

· **Sharangi, A.B.\*** and Chattopadhyay, A. (2021) Coriander. In: *Vegetable Crops, Vol-3, (ed. Bose,T K)*; **Daya Publishing House**, Inc. (Astral Intl. Pvt. Ltd.), New Delhi-110002, India. ISBN: 978-9-39043-522-7. Chapter 12. pp.982-1014.

·Das S and **Sharangi A B** (2021) Fenugreek (*Trigonella foenum-graecum* L.): The magical healing of human health hazards. In: *Fenugreek-Biology and Applications* (eds. Naeem, M., Aftab, T., Khan, M.M.A.), Chapter 11, pp. 247-263, **SpringerNature**, Singapore. <https://doi.org/10.1007/978-981-16-1197-1>.

·Das S and **Sharangi A B** (2020) Health benefits of isoflavones found exclusively of plants of the Fabaceae family. In: *Functional Foods and Nutraceuticals*, (ed. C. Egbuna et al.), Chapter 22, pp. 473-508, **SpringerNature**, Switzerland, Cham. <https://doi.org/10.1007/978-3-030-42318-6>.

·Das S and **Sharangi A B\*** (2020) Nanotechnology: A Potential Tool in Exploring Herbal Benefits. In: *Functional Bionanomaterials, Nanotechnology in the Life Sciences*, (ed. D. Thangadurai et al.), Chapter 2, pp. 27-46, **SpringerNature**, Switzerland, Cham. <https://doi.org/10.1007/978-3-030-41464-1>.

·Das Suddhasuchi and **Sharangi A B\*** (2018) Impact of Climate Change on Spice Crops Indian Spices. In: *Indian Spices : The Legacy, Production and Processing of India's Treasured Export* (ed. A B Sharangi), pp. 379-404, **SpringerNature**, Switzerland, Cham. <https://doi.org/10.1007/978-3-319-75016-3>.

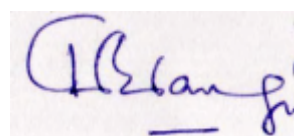
·**Sharangi A B\***(2017). Secondary metabolites in Spices and Medicinal plants: An overview. In: *Plant Secondary Metabolites, Vol-1 Biological & Therapeutic Significance* (Ed. M.W.Siddiqui, PhD and K Prasad, PhD). **Apple Academic Press**, Inc. 9 Spinnaker Way, Waretown, New Jersey 08758 USA. pp.145-164. ISBN: 9781771883528.

·**Sharangi A B\*** (2016). Value-added processing. In: *Horticulture Compendium*, **CABI**, Wallingford, UK: CAB International.

### C. RESEARCH PAPERS (Best 10)

Sl. No	Publications (Authorship, year, title, journal, Vol. No., pages, etc.)	NAAS rating
1	Siddiqui,M.W.; <b>Sharangi,A.B.</b> ; Singh,J.P.; Thakur,P.K.; Ayala-Javala,J.F.; Singh, A. and Dhua,R.S. (2015) Antimicrobial properties of teas and their extracts in vitro. <i>Critical Reviews in Food Science &amp; Nutrition</i> , <b>56</b> (9):1428-1439. [ <b>TAYLOR AND FRANCIS</b> ]	16.20
2	Trivedi,R.;Upadhyay,T.K.;Kausar,M.A.;Saeed,A.; <b>Sharangi, A.B.</b> ; Almatroudi, A.; Abdullah, N.M.; Saeed, M. and Aqil, F. (2022) Nanotechnological interventions of the microbiome as a next-generation antimicrobial therapy. <i>Science of the Total Environment</i> , <b>833</b> (2022):112. [doi:10.1016/j.scitotenv.2022.155085]. [ <b>ELSEVIER</b> ]	15.10
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Signature with Date