

Faculty Profile

- 1) **Name:** DR SUDHAKAR SAMBHAJI KHOT
- 2) **Qualification:** M.Sc., Ph.D., SET (Life Sciences)
- 3) **Designation:** Associate Professor
- 4) **Experience:** 17 Years
- 5) **Contact No.:** 9405561176
- 6) **E-Mail:** skhot1976@gmail.com
- 7) **Research And Training Portfolio:**



A) Research:

I) Research Projects:

Sr. No.	Title	Major	Minor
1.	<u>Project completed as a Principal Investigator: 'Studies on the Impact of Warana River Flood on the Soil Fertility and Socio-Economy of the Region in Kolhapur District.' funded by UGC, WRO, Pune</u> (https://drive.google.com/file/d/17m2n-E4T7qxEZ8knEG3mvwK6pxJnsi9h/view?usp=sharing)		01
2.	Project completed as Junior Research Fellow: Research Project sanctioned by Dept. of Ocean Development (DOD), New Delhi	-	01

II) Publications:

Sr. No.	Title	International	National	Regional
1.	Books	-	-	6
2.	Chapters in books		5	-
3.	Research Paper	6	3	-
4.	Articles	-	3	-

IV) Organization:



Sr. No.	Title	International	National	Regional
1.	Conference	1	4	
2.	Workshop			2
3.	Webinar		1	

B) Faculty Development Programmes:



Sr. No.	Title	Number
1.	Orientation Course	1
2.	Refresher Course	2
3.	Faculty development Programme	6








e) Research papers Published: 13 (Thirteen) + 2 Communicated

Citation Index:

Research Platform	Citations	h-Index	QR Code
Google scholar:	19	3	
Research Gate: <i>RI Score=44.8</i>	20	3	




Research Papers published:


Sr. No.	Paper details	QR Code
1	Joshi A J and Khot S S (2001) Effects of different salts on seed germination in a succulent halophyte, <i>Haloxylon salicornicum</i>, Bunge Ex Boiss. Proc. Emerging Areas in Plant Sciences, (B. R. Pandit eds.) pp 56 – 60. (https://bit.ly/3QdqlcW)	
2	Joshi A J and Khot S S (2004) Edible succulent halophytes as good source of proteins for restoration of salt affected soils. <i>Bulletin of National Institute of Ecology</i>, 14: 25 – 32 (Free online access) ISSN (Print): 0379-7937. (https://bit.ly/SudhakarKhot)	

3	Khot S S and Joshi A J (2006) Accumulation of organic and inorganic solutes in <i>Salicornia brachiata</i> Roxb. an edible succulent halophyte growing at Navlakhi Port. <i>Ecology, Environment and Conservation</i> 12: 699-703. ISSN: 0971765X. (https://bit.ly/3MhO5eR)	
4	Khot S S and Joshi A J (2008) Studies On Accumulation Of Sugars, Amino Acids And Minerals In <i>Avicennia Marina</i> (Forsk.) Vierh. <i>Bioinfolet</i> 5 (4): 356-361. ISSN: 0973-1431. (https://bit.ly/3QiPpj4)	
5	Khot S S and Joshi A J (2009). 'Variations in Protein Amounts Accumulated in <i>Avicennia marina</i> (Forsk.) Vierh Growing At Edaphically Different Habitats in Gujarat'. 'in <i>Proc. Biodiversity, Sustainable Development and Human Welfare</i> Prof. R. M. Pai Commemoration Vol. (S. N. Nandan eds) pp. 55 – 59. (https://bit.ly/3tKziHI)	
6	Khot S S, Naik Manish and Shipugade Priyanka (2014). 'Study of dye yielding potential of some plants growing in Warananagar region and their applications in textile and food dyeing'. <i>Flora and Fauna</i> (Interna. Res. J. of Biol. Sc.) 2 (special issue), pg 301-303. ISSN 0971-6920. (https://bit.ly/3tLOno1)	
7	Khot S S, Jadhav S Y, Kate Sulochana and Bhakare Shubhangi (2015). 'Studies On Ex Situ Conservation Of Biodiversity In Botanical Gardens: A Case Study Of Warana Mahavidyalaya Botanical Garden', <i>Vishwawarana National Research Journal</i> Vol.1, pg. 62-66. (ISSN 2394-8809). (https://bit.ly/45Q3EBs)	
8	Khot S S and Joshi A. J. (2016). Comparative effects of salts and seawater on seed germination in halophytic grass <i>Halopyrum mucronatum</i>, Stapf. <i>Annals of Biological Research</i> 7 (1): 6-11. (ISSN 0976-1233). (https://bit.ly/3Qbl0mH)	
9	Khot S S and Joshi A. J. (2017) Coastal ecosystem interactions: a case study of floral vegetation at Narara Island in the Marine National Park of India, <i>Vishwawarana-National Research Journal</i>, (ISBN 2394-8809), Pg. 69-77.	
10	Khot S S (2017). 'Effects of particulate matter on some common plants in Warana region', <i>Proc. Emerging trends and classical in Life Sciences</i>, (ISBN: 978-81-933230-7-6), Pg. 24-28. (https://bit.ly/3tKAmb)	

11	Khot S S (2017). 'Higher Education in India: role of e-Libraries and Open Education resources', Proc. Role of Libraries in Changing ICT Scenario, (ISBN: 978-81-933230-8-3), Pg. 359-361. (https://bit.ly/3QcAerj)	
12	Khot S. S. and Buchade J. Y. (2020). 'Studies on Agro-Economy of the Society in Warana River Basin in Kolhapur District With Special Reference to Flood', Chapter in book entitled 'Agriculture and Rural Development: Spatial Issues, Challenges and Approaches', Ed. N. B. Pawar, Jyotikiran Publication, Pune (ISBN: 978-81-946685-8-9), pg No. 11-16. (https://bit.ly/46YM6ER)	
13	Fasale SB, Khot SS, Waghmare MB. (2023). Analyzing the chemical composition of methanolic extracts from <i>Anisomeles indica</i> stem: A comprehensive GC-MS and FT-IR Investigation. Res. Jr. Agril. Sci. 14(5): 1576-1580. ISSN: 0976-1675 (P) ISSN: 2249-4538 (E). (https://bit.ly/3MfeES0)	
14	S.B. Fasale, M.B. Waghmare and S.S. Khot. (2023). SEM-EDX and GC-MS analysis of phytoconstituents in <i>Anisomeles heyneana</i> Benth. leaves from Western Ghats (India), <i>Applied Biological Research</i> 25(4): 458-464; DOI: 10.5958/0974-4517.2023.00053.8 (https://bit.ly/3QBPXQY)	
15	Fasale S.B, Khot S.S. , Waghmare M.B. (2023). Phytochemical Characterization of <i>Anisomeles indica</i> R. Br using GC-MS: Evaluation of Antioxidant and Antimicrobial Properties. <i>International Journal of Plant and Environment</i> (Communicated)	<i>Communicated</i>

Publication of Articles in Encyclopedia: 03

S. N.	Sudhakar S. Khot (2014). Author, written 3 articles in Marathi Vishwakosh (Marathi Encyclopedia), Published by Maharashtra State Marathi Vishwakosh Nirmiti Mandal, Government of Maharashtra.			Principal Author
1	Terada (Impatiens), pg. 269.	Published by Maharashtra State Marathi Encyclopedia Production Committee, Mumbai, (2014)		Principal Author
2	Nirgudi (Vitex). Pg. 330	Chief editor – Dr. Vijaya Vad, Published by Maharashtra State Marathi Encyclopedia Production Committee,		Principal Author

		Mumbai, (2014)			
3	Nasapati (Pears). Pg. 328	Chief editor – Dr. Vijaya Vad, Published by Maharashtra State Marathi Encyclopedia Production Committee, Mumbai, (2014)	Marathi Kumar Encyclopedia (Kumar Vishwakosh – Biosphere and Environment), Vol-2		Principal Author

f) Books Published

Sr. No.	Title with page nos.	Type of Book International /National / Chapter in Edited Book / Editor of Book by International / Editor of Book by National Publisher	Publisher & ISBN No.	No. of co-authors	Whether principal author / co-author
1	A Practical Book of Botany (B.Sc.-III, Sem. V and VI) Page. 1-230.	Book published by National Publisher (Apr 2021)	Nirali Publication, Pune ISBN No. 978-93-5451-132-5	5	Co-author Shimpale V.B., Kulkarni N. A., Khade S. K., Potdar G. G. and Khot S. S.
2	A Practical Book of Botany for B.Sc.-I, Page 1-70	Book published by National Publisher (Nov 2022)	Nirali Publication, Pune ISBN No. 978-93-5451-840-9	5	Coauthor Shimpale V.B., Kulkarni N. A., Khade S. K., Potdar G. G., Khot S. S. ,
3	A text book of Botany- Microbes, Algae and Biofertilizers & Cell biology and Analytical Techniques (B.Sc.- I, Sem-I) Page 1-190	Book published by National Publisher (Jan 2023)	Nirali Publication, Pune ISBN No. 978-93-5451-839-3	5	Coauthor Potdar G. G., Khot S. S. , Shimpale V.B., Khade S. K., Kulkarni N. A.
4	A textbook of Mycology, Phytopathology and Mushroom Cultivation & Archegoniate (Bryophytes, Pteridophytes and	Book published by National Publisher (Jan 2023)	Nirali Publication, Pune ISBN No. 978-93-5451-964-2	5	Principal author Khot S. S. , and Potdar G. G., Shimpale V.B, Khade S. K. ,

	Gymnosperm) (B.Sc.-I, Sem.-II) Page 1 - 156				Kulkarni N. A.
5	A text book of Plant Systematics and Anatomy & Genetics and Molecular Biology (B.Sc.-II, Sem-III) Page. 1 – 208.	Book published by National Publisher (Aug 2023)	Nirali Publication, Pune ISBN No. 978-81-19117-54-3	5	Coauthor Potdar G. G., Khot S. S. , Kulkarni N. A., Khade S. K., Shimpale V.B.
6	Practical Botany: B.Sc.-II, Sem-III and IV Page 1-80	Book published by National Publisher (Sept 2023)	Nirali Publication, Pune ISBN No. 978-81-19116-68-3	5	Coauthor Potdar G. G., Khot S. S. , Kulkarni N. A., Khade S. K., Shimpale V.B.

Publication of Proceedings (Books): 04

S. N.	Title	Published By	ISBN No.	No. of Authers	Editor/ Co-editor
1.	Advanced Agriculture Techniques and Rural Development	Principal, YCWM, Warananagar	ISBN 978-81-933230-2-1	5	Co-editor
2.	Global Challenges before Rural Community	Book Published by	ISBN 978-81-933230-6-9	3	Co-editor
3.	आधुनिक हिंदी साहित्यमें वैषम्य के विविध आयाम	Principal, YCWM, Warananagar	ISBN 978-81-933230-1-4	3	Co-editor
4.	Emerging Trends and Classical in Life Sciences	Principal, YCWM, Warananagar	ISBN: 978-81-933230-7-6	2	Co-editor

g) Editorial Work

Sr. No.	Title	ISSN/ ISBN No.	Contribution	Remark
Research Journal				
1	Vishwawarana -Biannual, Multi-disciplinary, National Research Journal	ISSN 2394-8809	Member of Editorial Board	2015 to 2018

8) Professional Contribution:

- 1) Member of Board of Studies in Botany at SGM College, Karad
- 2) Member of Subcommittee for Syllabus setting (B.Sc.-I Botany 2022), Shivaji University, Kolhapur

- 3) Member of Subcommittee for Syllabus setting (NEP-2020: B.Sc.-II Botany 2023), Shivaji University, Kolhapur
- 4) Member of Subcommittee for Syllabus setting (NEP-2020: B.Sc.-II Seed Tech. and Plant Protection, 2023), Shivaji University, Kolhapur

Knowledge Contribution:

- **Resource Person**

Name of Resource Person	Event	Date	Organized By	Remark
Dr. S. S. Khot	National Conf. on Environmental Sustainability in Life Sciences	24-25.03.2023	D.A.B.N. Arts and Sc. College, Chikhali, Sangli	Chairperson of the session
	'Revised syllabus of Practical Course on B.Sc.-III Botany (Paper I and II).	11.02.2021	Smt Kasturbai Walchand College, Sangli	Resource person
Dr. S.S. Khot	One day workshop on NEP-2020 and revised syllabus in B.Sc.-II Botany	10.10.2023	Rajarshi Chh. Shahu College, Kolhapur	Resource person
Dr. S.S. Khot	Sangli District Avishkar Research Convention 2021-22.	11.02.2022	Willingdon College, Sangli	Subject Expert
Dr. S.S. Khot	Sangli District Avishkar Research Convention 2022-23		Mathubai Garware Kanya Mahavidyalaya, Sangli	Subject Expert
Dr. S.S. Khot	one day workshop on CBCS Syllabus of Botany B.Sc.-II Shivaji university, Kolhapur	29.08.2019	PDVP Mahavidyalaya, Tasgaon	Resource person
Dr. S.S. Khot	one day workshop on 'Changing methodology of NAAC and role of institutes'	15.10.2019	Shripatrao Chougule Arts and Science College, Kotoli	resource person
Dr. S.S. Khot	Lead College Lecture Series	02.01.2020	SGM College, Karad	Resource Person
Dr. S.S. Khot	Lead College Lecture Series		YC Warana Mahavidyalaya, Warananagar	Resource Person
Dr. S.S. Khot	Lead College Workshop		Shahaji Mahavidyalaya, Kolhapur	Resource Person

Educational Videos on YouTube

(<https://www.youtube.com/@DrSudhakarKhot/videos>)



Community Engagement:

Capt. Dr. S. S. Khot: Working as Associate NCC Officer since 2009. The important initiatives taken for community engagement are as below:

- a) Tree Plantation
- b) Cleanliness Drives on the campus
- c) Awareness Campaigns
 - i) Plastic free India Campaign
 - ii) Be Vocal for Local Campaign (01.08.2020)
 - iii) Swachh Bharat Abhiyan
- d) Health and Hygiene activities
 - i) Pulse Polio Vaccination (31.01.2021)
 - ii) Blood donation Camps
 - iii) AIDS Awareness Campaign
 - iv) 'Sanitize Your Hands' campaign (09.12.2020)
 - v) Cleanliness drive 'at Water bodies in own village' (12.12.2020)
 - vi) Cleanliness drives 'at your own home' (10.12.2020)
 - vii) Eye and Body Donation Pledge
- e) Celebration of Commemorative days
 - i) World Yoga Day (21st June)
 - ii) World Environment Day (5th June)
 - iii) World Ocean Day (08.06.2022)
 - iv) World Bicycle Day (03.06.2022)
 - v) NCC Day (Last week of Nov.)
 - vi) Independence Day (15th Aug)
 - vii) Republic Day (26th Jan)
 - viii) Samvidhan Din (26th Nov)
 - ix) Surajya Din (06.06.2022)
 - x) Kargil Vijay Diwas (25.07.2019)
 - xi) Vigilance week and anti-corruption Oath (27.10.2020)
 - xii) Anti-addiction and anti-trafficking Day (26.06.2019)

- f) Shahidon ko Shat Shat Naman campaign (27.06.2022)
- g) Raksha Bandhan for especially abled children (20.08.2019)
- h) Flood relief program (Aug 2019)

Area of Interest:

- 1) Cell biology and biochemistry
- 2) Plant Ecology and physiology
- 3) Ecophysiology of halophytes

Recognitions:

- Received **2nd prize** in Young Scientists' Paper Presentation Competition at **International Conference**, on 'Modern trends in plant sciences with special reference to the role of biodiversity in conservation' (ICPSBC-05), Feb. 17 – 20, organized by Amravati University, Amravati (Maharashtra) INDIA (2005)
- Received **2nd prize** in Poster Presentation Competition at **National Seminar** on 'The Wetlands', 2nd February, organized by Shivaji University, Kolhapur (2005).
- Passed the Pre-Commission NCC Training in '**A-grade with 1st Rank**' and **Commissioned as Lieutenant** at NCC Officers' Training Academy, Kamptee.
- Received '**Director General's Baton of Honour**' (D.G.'s Baton, equivalent to **Gold Medal**) for the Overall Best Performance in the Pre-Commission Training Course at NCC OTA, Kamptee.
- Received '**Best in Weapon Training**, and **Best in Turn out**' awards during the PRCN/SD/148 course conducted during 4 July to 17 Sept 2011 at OTA Kamptee, Nagpur.
- Led the platoon that got '**Best Contingents Award**' during 'Passing Out Pared' at NCC Officers Training Academy Kamptee on 17th Sept 2011.
- Permanent Recognition as a **Post-Graduate Teacher** and **M.Phil Guide** of Shivaji University Kolhapur in the Discipline of **Science** for the subject **Botany** (Ref. No. SU/PGBUTR/Recog/98 dated 20 feb 2013; Guide ID 594)
- Received '**D G Commendation Card and Badge - 2014**' from D G NCC, New Delhi (ref.: NCC Dte MAH letter No. 4118/NCC/PERS/H&A dated 10 Feb 2015)
- Received '**Best in Weapon Training**, awards during the Refresher course conducted during March 2018 at OTA Kamptee, Nagpur.

19. Any other information not included in the above points:

- Completed **Diploma in Yoga Education** (2001-02), Bhavnagar University, Bhavnagar.
- **Computer Education** - application of **MS-office** (includes MS-word, MS-excel, MS-power point), Coral Draw 11.
- **Educational YouTube Channel** – 1.46 K+ subscribers and 98 Educational Videos, 1,08,600 Views
<https://youtube.com/@DrSudhakarKhot?si=a-ImK9TVdqeojOjT>

DATE: 30 Nov 2023

(S. S. KHOT)