



ऐसे जे ज्ञान । पवित्रक निधान ।
जेथ विटाळले मन । चोख कीजे ॥

Adarsh Education Society's
**Arts, Commerce and Science
College,
Hingoli**

Bio-Data and Work Profile

1. Name in full : **DR. SOPAN NAMDEO KHARAT**
2. Date of Birth : **26th January 1986.**
3. Nationality : **Indian**
4. State : **Maharashtra**
5. Mother Tongue : **Marathi**
6. Caste & Category : **Hindu – Mali (OBC)**
7. Languages Known : **Marathi, Hindi & English.**
8. Qualification : **M.Sc., Ph.D.**
9. Date of Appointment : **21th August 2023.**
10. Pay Band/ AGP : **Pay Band : 57700 – 182400.**
11. Designation : **Assistant Professor**
12. Specialization : **Cell Biology & Cyto-genetics,
Plant Breeding, Plant Tissue Culture**
12. Name of the Department : **Botany**
13. Experience :

	Junior	UG	PG
a) Teaching	-----	10 Years	03
b) Administration	-----	04	---

14. Blood Group : **AB+ve**
15. PAN No. : **CLYPK6332C**
- Aadhar Number : **365394454014**
- PF / DCPS :
16. Residential Address : **Shankar-Parvati Building,
Hanuman Mandir Galli, Yashwant Nagar, Hingoli.**
17. Contact No. : Mobile No. 1. **8275931166**
2. **7021853326**
18. E-mail – ID : sopankharat@gmail.com
19. Details of Academic Qualification

Examination	Name of the Board / University	Year of Passing	Percentage of marks obtained	Division / Class / Grade	Subjects/Title
High School / S.S.C.	Aurangabad Board	2002	64.80%	First Class	Marathi, Hindi, English, Maths, Science, Social Science,
Intermediate H.S.C.	Aurangabad Board	2004	48.83%	Second Class	English, Hindi, Physics, Chemistry, Biology, Sociology.
B.Sc.	Dr. B. A. M. University Aurangabad	2007	72.38%	First Division	Chemistry, Botany, Zoology
M.Sc.	Dr. B. A. M. University Aurangabad	2010	75.83%	First Division with Distinction	Botany

Ph. D.	University of Mumbai (The Institute of Science, Mumbai)	30th March 2017	---	---	“Elicitation studies and In-vitro Chemical Mutagenesis for some important bioactive compounds in <i>Elephantopus scaber</i> Linn.”
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21) Academic Activities : Give details of (P.G. Teacher / Ph.D. Guide/Guest Lecturer / Resource Person / Subject Expert, any other)

1. Resource person in **UCG STRIDE Sponsored** Students Capabilities Enhancement Program Organized by Department of Botany, Shri Shivaji College, Parbhani on the topic Techniques in Cytogenetics, Plant Tissue Culture & Chromatographic Techniques (HPLC & HPTLC) on 18th June, **2021**.
2. Resource person in National Webinar on Recent Trends in Research Methodology Organized by The IQAC and Academic Research Cell, MGV's Panchvati College of Management and Computer Science, Nashik on 03rd September, **2021**.

22) Research Activities:

A) Minor / Major Research Projects undertaken by the faculty :-

Project Title	Date of Sanction	Status Completed/ Ongoing / Proposed	Funding Agency	Amount (In Lac)	
				Sanctioned	Received
NIL					

B) Research Guide : Details of Research Students.

Sr. No.	Name of Research Students	Subject Title	Status

			Registration Date	Submission Date	Awarded	
	NIL					

C) Research Papers Published in Journals:

Sr . No	Title of Research Article	Pub. Details-Name of Journal /Conf./ Sem./Vol. / Issue No. / Duration / Place & Year	ISBN / ISSN	J/ C / S	Impact Factor
1	Effect of mutagenesis on germination and pollen sterility in pigeon pea. Page no. 127-130	Journal - <i>Bioscience Discovery</i> Volume -02 Issue - 01 Year -2011	2229-3469	Journal	SJIF-3.42
2	Electrophoretic Protein profile of few Pulses consumed locally in Mumbai region. Page no. 156-161	Journal - . <i>Int. J. Pure App. Biosci.</i> Volume 3 Issue - 2 Year - 2015	2320-7051	Journal	SJIF-1.2
3	HPTLC assay for Quercetin and Rutin flavonoids in <i>Elephantopus scaber</i> [linn.] grown under induced heat stress condition. Page No. 36 – 52	Journal - <i>Int J Pharm Bio Sci.</i> Vol. – 6 Issue - 2:(B) Year -2015	0975-6299	Journal	SJIF – 8.72 Scopus Indexed and UGC Approved

4	Cytogenetical and Morphological Variations in EMS treated <i>Glycine max</i> Linn. (Merr.) Page No : 19-26	Journal - <i>Research in Biotechnology</i> Issue – 6 Vol. – 4 Year –2015.	2229-791X	Journal	SJIF-0.9
5	Quantitative analysis for “Diosgenin” content in <i>Elephantopus scaber</i> (Linn.) by HPTLC using successive solvent extraction method Page No: 236-244	Journal - <i>Der Pharmacia Lettre</i> Issue – 5 Vol. – 7 Year – 2015.	0975-5071	Journal	Scopus Indexed and UGC Approved Impact factor - 37.41
6	Chromatographic analysis for “diosgenin” content in <i>abutilon indicum</i> (L.) sweet Page No 178-182	Journal - <i>Int J Pharm Pharm Sci</i>, Vol Vol. – 8, Issue 2, Year – June 2016	0975-1491	Journal	Scopus Indexed and UGC Approved Impact factor-1.59
7	Synthesis, Characterization and studies on Antioxidant activity of Silver	Journal - <i>Materials Science and Engineering C</i>, Vol. – 62	0928-4931	Journal	Scopus Indexed and UGC Approved Impact

	Nanoparticles using <i>Elephantopus scaber</i> leaf extract Page No. 719–724	Year –2016			factor-8.45
8	HPLC Assay, Phytochemical, FTIR Characterization and Studies on Antioxidant Activity of <i>Elephantopus scaber</i> (Linn) Using Six Different Soxhlet Leaf Extract. Page No - 18-28	Journal - <i>Der Pharma Chemica</i> Vol - 9 Issue - 23 Year : 2017	0975-431X	Journal	Scopus Indexed and UGC Approved SIJF-6.47
9	“Plant extract mediated AgNPs synthesis in <i>Averrhoa bilimbi</i> and <i>Syzygium cumini</i> leaf extract, their characterization and antioxidant potential assessment”. Page No. – 24-33	Journal - <i>Der Pharma Chemica</i>, Volume-10 Issue -11 Year – 2018	0975-431X	Journal	Scopus Indexed and UGC Approved SIJF-6.47
10	“HPTLC screening for	Journal - <i>Research J. Pharm. and Tech</i>	0974-3618	Journal	Scopus indexed

	<p>flavonoids content in leaf extracts of <i>Syzygium cumini</i> (Linn.) and its antimicrobial activity.”</p> <p>Page No. – 2720-2726</p>	<p>Vol. –13 Issue –6 Year – 2020</p>	<p>(Print) 0974-360X(Online)</p>	<p>and UGC Approved Journal DOI: 10.5958/0974-360X.2020.00484.9</p>
11	<p>PHYTOCHEMICAL AND COMPARATIVE ASSESSMENT OF BARK AND ROOT EXTRACTS OF <i>IXORA BARBATA</i> ROXB. EX. SM. AND <i>IXORA COCCINEA</i> L. USING HPTLC ASSAY</p> <p>Page No. – 601-616</p>	<p>Journal - Indian journal of Pharmaceutical Science. Vol. – 84 Issue – 03 Year – 2022</p>	<p>0250-474X</p>	<p>Journal Scopus /WOS indexed and UGC Approved Journal Impact factor-0.97</p>
12	<p>HPTLC quantification and estimation of Rutin and Kaempferol using aerial parts of <i>Ixora javanica</i> (blume) dc. and <i>Ixora barbata</i> roxb. ex. sm.</p>	<p>Journal - Research J. Pharm. and Tech. Vol. – 15 Issue – 10 Year – 2022</p>		<p>Journal Scopus indexed and UGC Approved Journal DOI: 10.52711/0974-360X.2022.00761</p>

	4533-1 Page No. -				
13	Review on Plant Protease Inhibitors as Therapeutic Molecules. Page No. - 277-288.	Journal – Journal of Plant Science Research Vol. -38 Issue-01 Year – 2022	0976-3880 (online) 0970-2539 (Print)	Journal	UGC Approved Journal
14	“Study the influence of mutagenic treatment on cell suspension culture of <i>Elephantopus scaber</i> L. for the quantitative enhancement of bioactive constituents and their antioxidant potentials” Page No – 79 to 82	Journal - Research J. Pharm. and Tech. VOL – 16 ISSUE – 12 Year - 2023	0974-360X (Online) 0974-3618 (Print)	Journal	Scopus indexed and UGC Approved Journal
15	Plant Protease Inhibitors: Physiological Role in Addition to Plant Defense	Journal – Bioinfolet Communicated Year - 2023	0973-1413 (Print) 0976-4755 (online)	Journal	UGC Approved Journal

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D) Research Papers Published in Conference Proceedings:

E) Details of Participation / Presentation of paper in the Seminars/Conferences / Symposia / Workshop

Sr. No	Name of Event	Level	Organizing Agency Date & Place	Attended/ Presented/ Resource Person	Title of Paper
1	Seminar	State	Place - Organized by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad Year - 2010.	Attended	“Sources and Application of Phytochemicals”
2	Workshop	National	Place- Mumbai -32 Organized by The Institute of Science, Mumbai -32 Date - 29 th October to 4th November, 2012	Participated	“Seven Days Hand on Training course on Analytical Instruments”
3	Conference	National	Place - Mumbai -32 Organized by Department of Botany and Biotechnology, The	Committee member of National Conference	“Role of Biotechnology in conservation and

			Institute of Science, Mumbai -32. Date - 14th -15th December, 2012.		sustainable use of Medicinal Plants”
4	Conference	National	Place – Organized by S.C.S. (J) College, Puri, Odisha. Date - 15th & 16th February 2014.	Poster presented in 23rd Scientists Meet-2014	Biodiver sity and Ecologic al sustaina bility on
5	Conference	National	Place - Organized by Smt. N.M. Padalia Pharmacy College, Ahmadabad, Gujarat Date - 2015	Paper presented in 24th Scientists Meet-2015	“Health care, Agricultura l and sustainable Developme nt in New Millenniu m”.
6	Workshop	National	Place - Organized by Department of Botany, The Institute of Science, Mumbai Date - 14th August 2015.	Attended	One-Day National Level Workshop on “HPTLC and Hyphenate d HPTLC Techniques -HPTLC- MS”
7	Workshop	National	Place - Organized by Department of Botany, The Institute of Science,	Attended	One-Day National Level Workshop

			Mumbai Date - 5th October 2016.		on “HPTLC and Nanopartic le Tracking Analysis Technique ” in collaborati on with ANCHROM India
8	Workshop	National	Place - Organized by Department of Botany, The Institute of Science, Mumbai Date - 24th October, 2016.	Worked as a Resource Person	One day workshop for students on “Instrumen tation Techniques in Scientific Research”
9	Conference / Seminar	National	Place -. Organized by K.P.G. Arts, Commerce & Science College, Igatpuri, Tq. Igatpuri, Dist. Nashik, Maharashtra Date - 30th & 31st December-2016.	Presented	Paper presente d in State Level Seminar on “Strateg ies for Environ mental Protecti

					on and Biodiversity Management”
10	Conference	National	Place - Organized by Department of Botany, The Institute of Science, Mumbai – 32 Date - 8th & 9th February 2019.	Presented	Poster presented in National Level Conference on “Current Trends & Future Prospectus in Fungal Biotechnology” (Mycological Society of India, Mumbai Unit)
11	Webinar	International	Organized by Department of Biotechnology, GSFC University, Gujarat, India Date:- 17th to 19th 2021	Participated in the International Webinar	Series on Plant Tissue Culture: Current Trends and Future Perspectives

12	One week	National	Organized by Dr. S. Gopalraju Govt. First Grade College, Anekel, NSS & IQAC Cell, Bangalore, Date: 19 th to 26 th July, 2021	7 Days Workshop	Virtual Training Programme on Life Skill – for Career & Professional Excellence
13	Conference	National	Organized by Sonopant Dandekar Arts, Commerce & Science College Palghar Date: 15 th January, 2022	Paper presented	“National E-Conference on Environment & Biodiversity: Present Status and Future Challenges”
14	Workshop	National	Organized by the Department of Botany, Savitribai Phule Pune University, Pune Date: 24 th & 25 th February, 2023	Attended Two-Day Workshop	“Implementation of NEP2020 in Botany”
15	Workshop	National	Organized by the Department of Botany, Yashwant College, Nanded. Year : 2023	Attended One-Day Workshop	Implementation of NEP2020 in Botany”

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F) Publication of Books

Sr. NO.	Title of the book	Publication Details, (Publisher, place & Year)	ISSN No. / ISBN No.	Author / Co-Author
	NIL			

G) Details: Chapters in book / Editor / Author / Co- Author

Sr. No.	Title of the Chapter	Title of the Book	Publication Details (Publisher, place & Year)	ISSN No. / ISBN No.	Author/ Co-Author
	NIL				

H) Conference / Seminar / Workshop Organized

Details of Event	Duration	Details of the Role
Organized National E-Conference on “Recent Advances & Opportunities in Botany” (NCRAO 2021)	Two Days Date: 26 th & 27 th March, 2021	Organizer

I) Guest Lecture delivered / Invited lecture

Sr. No.	Date	Place	Topic / Details of the Guest Lecture

23) Membership of Academic / Research Bodies / Journal Reviewer etc.

1. **Biomaterials Advances / Materials Science and Engineering C (Elsevier)**
2. **The Journal of Basic and Applied Zoology (Springer Nature)**
3. **Journal of Microencapsulation (Francis & Taylor)**
4. **Journal of Agricultural Sciences (Belgrade)**
5. **Current Nanomaterial's (Bentham Science)**
6. **Online journal of Biological Sciences**
7. **American Journal of Biochemistry & Biotechnology**
8. **Journal of Ethnopharmacology (Elsevier)**
9. **Asian Journal of Environment & Ecology**
10. **International Journal of Pathogen Research**
11. **Asian Journal of Biology.**

24) Details of FIP/ Orientation/Refresher/Short Term Course /Summer & Winter Schools attended by the Faculty

Sr. No.	Event FIP /OP / RC / STC /SS	Duration	Organizing Agency
01	Faculty Induction Programme	11/01/2021 to 09/02/2021	Ramanujan College University of Delhi, and Ministry of Education from
02	Five Days Faculty Development Program	21/05/2021 to 26/05/2021	Organized by IQAC of Shri Shivaji College, Parbhani
03	Five Days Faculty Development Program	21/06/2021 to 25/06/2021	Department of Electronics & Telecommunication Engineering at PVG's COET & GKPIM, Pune
04	Research Development Programme (RDP)	09/08/2021 to 13/08/2021	SRM Institute of Science & Technology, Department of Computer Application, Ramapuram
05	Five Days Faculty Development Program	06/09/2021 to 10/09/2021	ALL INDIA COUNCIL FOR TECHNICAL EDUCATION NEW DELHI (AICTE Training and Learning (ATAL))
06	Five Days Faculty Development Program	20/09/2021 To 24/09/2021	AICTE Training And Learning (ATAL) Academy
07	Five Days Faculty Development Program	12/12/2022 to 16/12/2023	IOT Academy, Coimbatore, Tamilnadu

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25) Examination Work: (Chairman / Paper Setter / Conduction of Exam / Vigilance – Squad Member / M. Phil. / Ph.D. Referee.)

- 1. Invigilation – Dr. BSKKV Dapoli, University examination 2017 to 2018.**
- 2. External examiner – 2017-2018.**

26) Conduct of Educational Tour / Visit:

- 1. Organized Educational Tour – Kerala- 2018**
- 2. Organized Educational Tour – NIO-Mumbai – 2019**
- 3. Organized Educational Tour – Mumbai -2020**
- 4. Organized Educational Tour – Mumbai – 2022**

27) Extension Work / Community Service:-

- 1. Participated in BHARAT SCOUT & GUIDE.**
- 2. Participated in NATIONAL CADET CORPS (NCC – ‘B’ & ‘C’ Certificate)**
- 3. Participated in National Level “BASIC LEADERSHIP CAMP” (BLC) at Gandhinagar, Gujarat.**
- 4. Participated in National Level “NATIONAL INTERGRATION CAMP” (NIC) at Rahuri, Ahmednagar.**

28) Awards

Sr. No.	Name of the Award	Awarding Agency	Date	Level
	NIL			

29) Membership of Professional Organized:

30) Membership of College Committees :

- 1. 2017 – 2018 : Member – Examination Committee
University Practical External Examiner**
- 2. 2018 – 2019 : Member – Examination Committee**

Member –NAAC Committee

3. 2020 – 2021 : Member – Examination Committee

Worked as Senior Supervisor

4. 2021 – 2022 : Co-ordinator – Research Cell

Member – Examination Committee

University Practical External Examiner

Worked as Senior Supervisor

Member – AQAR Committee

Member – Green Audit Committee

5. 2022 – 2023 : Co-ordinator – Research Cell

Worked as Senior Supervisor

Member – Examination Committee

6. 2023 – 2024 : Member – Examination Committee

Member – NAAC Committee (Criteria -6)

Co-ordinator – Botanical Garden Committee

31) Any other Highlights: NATIONAL CADET CORPS (NCC – ‘B’ & ‘C’ Certificate)

Research Profile- Dr. Sopan N. Kharat

Total Citations - 300+

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I-10 – Index - 4

Signature

Dr. Sopan Namdeo Kharat

Department of Botany,

Adarsh Education Society’s

Arts, Commerce & Science College

Hingoli.