

Curriculum Vitae

Full Name Indra Jeet Chaudhary
Designation M. Phil. – Ph. D. (Environmental Science)
Department Environment & Sustainable Development
Campus Central University of Gujarat
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Mobile +918140583473; 6351929597
Date of Birth 05/07/1987
Gender Male
Category OBC (PH)
Whether differently abled Yes



Address	Present	Permanent
	Sarovar Housing society, Block 7B, Jija Mata Chowk, Akurdi, Pune, Maharashtra, Pin Code. 411035	Village- Parsa Post- Alida Pur District- Siddhartha Nagar, U.P. Pin-272202

Greeting, I am curious, creative, and obsessive-compulsive, this combination of traits makes me effective. I have completed my M. Phil., and Ph. D. in the School of Environment and Sustainable Development, Central University of Gujarat, Gandhinagar, Gujarat. My area of interest is plant stress physiology and published various articles in the field of plant stress physiology, Urban Forestry, Organic fertilizers, Agricultural sustainability, and Pollution risk assessment.

Educational qualifications:

Examination	Name of Board/University	Subject	Passing Year	Percentage
High School	U.P. Board	English., Math, Hindi, Science, Social Science & Drawing	2003	50.0%
Intermediate	U.P. Board	Physics, Chemistry, biology, Hindi, English	2005	49.8%
B.Sc.	Mumtaz P.G. College Lucknow (Uttar Pradesh)	Chemistry, Botany, Zoology	2009	46.33%
M.Sc.	Babasaheb Bhimrao Ambedkar University (A	Environmental Science	2012	61.25%

	Central university) Lucknow (Uttar Pradesh)			
M. Phil.	Central University of Gujarat (Gandhinagar, Gujarat)	Environmental Science	2016	63.0%
Ph.D.	Central University of Gujarat (Gandhinagar, Gujarat)	Environmental Science	Submitted 9-12-2021	Awarded 01-03-2022

❖ **UGC-Net (Environmental Sciences)**

National Eligibility Test For **Assistant Professor** held on 05th December, 2019 in the subject **Environmental Sciences**; E- Certificate No.: **DEC19U64319**; Roll Number: **GJ0105204130**; Application Number: **190520021292**.

❖ **Topic of Ph. D. Thesis**

“Impact Assessment of Ozone Pollution on selected Crop plants of Gujarat”.

❖ **Topic of Project**

“Impact Assessment of Ozone Pollution on Economically Important crops of Gujarat”

❖ **M. Phil. Dissertation Topic**

“Effects of suspended particulate matter on foliage of selected plants in Ahmedabad.”

❖ **M.Sc. Dissertation Topic**

“Studies on growth, mobilization of nutrients and yield of wheat (*Triticum aestivum* L. CV PBW-343) applied with organic matrix based slow release bio-fertilizers”.

❖ **Areas of Interest**

1. Environmental Science

3. Life Science

❖ **Specialization**

1. Plant stress physiology
2. Air pollution
3. Urban ecology
4. Sustainable agriculture
5. Biofertilizers

❖ **Work experience**

S. No.	Position held	Name of institute	From	To	Pay Scale
1.	Project fellow	SERB Funded Project at Central University of Gujarat, Gandhinagar, File No. YSS/2015/000724	01/08/2016	06/01/2019	20000

❖ **Paper reviews**

S. No.	Journals	Role
1.	Agricultural Research	Peer Reviewer
2.	International Journal of Ecotoxicology and Ecobiology	Peer Reviewer

❖ **Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.**

S. No	Name of Award	Awarding Agency	Year
1.	Best poster presentation award	9th International Science Congress & Environmental Research (ICER-2018) Amity University Gwalior	2018

❖ **Publications (List of papers published in SCOPOUS and SCI Journals).**

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year	Impact factor
1.	Chaudhary, I.J. Rathore, D.	Effects of ambient and elevated ozone on morphophysiology of cotton (<i>Gossypium hirsutum</i> L.) and its correlation with yield traits.	Environmental Technology & Innovation.	25	102146	2022	5.263
2.	Chaudhary, I.J. Rathore, D.	Assessment of ozone toxicity on cotton (<i>Gossypium hirsutum</i> L.) cultivars: Its defensive system and intraspecific sensitivity.	Plant Physiology and Biochemistry	166	912-927	2021	4.270
3.	Chaudhary, I.J. Rathore, D.	Micro-morphological and anatomical response of groundnut (<i>Arachis hypogaea</i> L.) cultivars to ground-level ozone.	J Appl Biol Biotech	9 (04)	137-150	2021	0.85
4.	Chaudhary, I.J. Rathore, D.	Assessment of dose–response relationship between ozone dose and groundnut (<i>Arachis hypogaea</i> L.) cultivars using Open Top Chamber (OTC) and Ethylenediurea (EDU).	Environmental Technology & Innovation,	22	101494	2021	5.263
5.	Rathore, D. Chaudhary, I.J.	Effects of tropospheric ozone on groundnut (<i>Arachis hypogaea</i> L.) cultivars: Role of plant age and antioxidative potential.	Atmospheric Pollution Research	12(3):	334–348	2021	4.352
6.	Chaudhary I. J. Rathore, D.	Relative effectiveness of ethylene diurea, phenyl urea, ascorbic acid and urea in preventing groundnut (<i>Arachis</i>	Environmental Technology & Innovation,	19	100963	2020	5.263

		<i>hypogaea</i> L) crop from ground level ozone.					
7.	Chaudhary I. J. Rathore, D.	Dust pollution: Its removal and effect on foliage physiology of urban trees.	Sustainable Cities and Society	51	101696	2019	7.587
8.	Rathore, D. Chaudhary, I.J.	Ozone risk assessment of castor (<i>Ricinus communis</i> L.) cultivars using open top chamber and ethylenediurea (EDU).	Environmental Pollution	244	257-269	2019	8.071
9.	Chaudhary I. J. Rathore, D.	Suspended particulate matter deposition and its impact on urban trees.	Atmospheric Pollution Research	9; (6)	1072–1082	2018	4.352

❖ **Publications (List of papers published in UGC care and Peer review Journals).**

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1.	Chaudhary, I.J., Neeraj, A., Siddiqui, M.A.and Singh, V.	Nutrient Management Technologies and the Role of Organic Matrix-Based Slow-Release Biofertilizers for Agricultural Sustainability: A Review.	Agricultural Reviews.	41(1):	1-13	2020
2.	Chaudhary, I.J. Singh, V	Titanium dioxide nanoparticles and its impact on growth, biomass and yield of agricultural crops under environmental stress: A review.	Research Journal of Nanoscience and Nanotechnology.			2019
3.	Singh, S., Chaudhary, I.J., Pankaj Kumar, P	Utilization of Low-cost Agricultural Waste for Removal of Toxic Metals from Environment: A Review.	International Journal of Scientific Research in Biological Sciences,	Vol.6, Issue.4	56-61	2019
4.	Tiwari, AK., Chaudhary, IJ., Pandey AK.	Indian traditional trees and their scientific relevance.	Journal of Medicinal Plants Studies	7(3)	29-32.	2019
5.	Shah, K.N., Chaudhary, I.J., Rana, D.K., Singh, V.	Growth, yield and quality of knol-khol (<i>Brassica oleracea</i> var.gongylodes) as affected by fertilizer management.	Fundamental and Applied Agriculture.	4(3)	1–11	2019
6.	Shah, K.N., Chaudhary, I.J., Rana, D.K., Singh, V.	Impact assessment of different organic manures on growth, morphology and yield of Onion (<i>Allium cepa</i> L.) cultivar.	Asian Journal of Agricultural Research	13 (1)	20-27	2019
7.	Chaudhary, I.J., Singh, R.P.	Studies on Growth, Mobilization of Nutrients and Yield of Wheat (<i>Triticum aestivum</i> L. PBW - 343) Applied with Organic Matrix Based Slow Release Bio Fertilizers.	International Journal of Current Microbiology and Applied Sciences	7	3221-3238	2018

8.	Chaudhary, I.J., Rathore, D.	Phytomonitoring of dust load and its effect on foliar micro morphological characteristics of urban trees.	Journal of Plant Science	2: (3)	170 – 179	2018
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❖ **Books/Reports/Chapters/General articles etc:**

S. No.	Title	Author's Name	Publisher	Year of Publication
1.	Acute and Chronic Effects of Ground Level Ozone on Human Health.	Soni, S., Chaudhary, I. J., Singh, A., Rathore, D.,	Cambridge Scholars	2021
2.	Crop Residue Burning and Its Effects on the Environment and Microbial Communities.	Chaudhary, I. J., Soni, S.	CRC Press.	2020

❖ **Certificate courses:**

1. ISRO (Indian Space Research Organization) certificate on “**Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System**” conducted by Central University of Gujarat, Gandhinagar from August 21, 2017 to December 04, 2017.
2. **Six month certificate course in Yoga (January-June 2019).**
 1. Introduction to fundamentals and basic yoga texts
 2. Fundamental of human anatomy, physiology and yogic practices
 3. Yoga and personality development
 4. practical
3. **Computer Certificate in CCC from NIELIT**
4. 5 days **Orientation program for lab safety measures** conducted by school of Nano Sciences at the Central University of Gujarat, Gandhinagar, Gujarat from 19th august 2019 to 23rd august 2019.

❖ **National and International Conference/Symposium/Workshop**

➤ **Oral presentation**

1. **Genetic adaptability and yield-related loss of crops under ozone stress** at 4th International Conference On “Current Approaches in Agricultural, Animal Husbandry & Allied Sciences for Successful Entrepreneurship (CAAAAHASSE-2021)” 13 March 2021.
2. **Protective role of synthetic and natural ascorbic acid on soybean (Glycine max. L.) cultivars** at National Conference on Perspective in Natural and Applied Sciences (PNAS 2018), Uttarakhand state council for science & technology (UCOST) Uttarakhand council for biotechnology (UCB), 9-10 March 2018.

➤ **Poster presentation**

1. **Reactive oxygen species production in plants and defensive role of antioxidants under ozone stress** at ESW VIII Annual National Research Conference on 30 & 31

Jan., 2021 ‘Anthropogenic Impact on the Environment, Society and Human health’
31 January 2021.

2. **Tropospheric ozone pollution: Its impact on soil microbe and agricultural productivity** at National Conference on Frontier Challenges and Amelioration for Environment and Life Sciences, Department of Botany, Government College, Bichhua Dist. Chhindwara M.P., India. 17 May 2020.
3. **Relative sensitivity assessment of industrial important crops of Gujarat** at 5th Asian Air Pollution Workshop in Varanasi, India, 5-7 Nov 2019At: Varanasi, Uttar Pradesh, India.
4. **Relative sensitivity assessment of ozone on groundnut cultivars using OTC and EDU** at 9th International Science Congress & Environmental Research (ICER-2018), Amity University Gwalior, India.
5. **Relative Effectiveness of Ethylenediurea, Phenylurea, Ascorbic Acid and Urea in Preventing Ozone Impact on Growth and Productivity of Groundnut (Arachis Hypogaea Linn, GG-20)** at International Conference on Advances in Agricultural and Biodiversity Conservation for Sustainable development (ABCD-2017), Merut, India.

❖ **National and International Conference/Symposium/Workshop attended**

1. AWSAR (Augmenting Writing Skills for Articulating Research) Workshop on Popular Science Writing on 23rdSept. 2019 at Institute of Seismological Research (ISR) Gandhinagar Gujarat, Organised by the Department of Science and Technology (DST) Government of India and Vigyan Prasar (VP) in collaboration with Gujarat Science and Technology (GUJCOST), Department of Science and Technology, Government of Gujarat.
2. National Seminar on “ Applied Therapeutic of Yoga Practices” under Yoga Fest-2019 on March 15, 2019, organized by Yoga Club, Central University of Gujarat, Gandhinagar, Gujarat.
3. National Workshop on “Popularization of Remote Sensing Based Maps and Geospatial Information’, organized by Indian Society of Remote Sensing and Indian Space Research Organization on the eve of National Remote Sensing” Day on August 11, 2017.
4. National seminar on “Dr. B. R. Ambedker philosophy in 21st century” held at CUG, Gandhinagar, Gujarat on 14th – 15th April, 2016.
5. National seminar 2016, strategies for sustainable use of land, water, air, agriculture and energy resources, Govt. Kalidas Girl Lead College, Ujjain (M. P.), Sponsored

by: University grants commission CRO= BHOPAL. (Assessment of SPM Removal Efficiency of Roadside Plants in Various Seasons).

6. Advance environment in Central University of Gujarat 2015.
7. GIAN Instrumentation technology & Hazardous Waste Management in Central University of Gujarat, 2015.
8. The Indian Science Congress Association 14, Dr. Biresh Guha street, Kolkata-700017 “ 102nd Indian science congress” held at University of Mumbai from January 3 to 7, 2015.

Declaration:

I hereby declare that all statements made in the above are true, complete, and correct to the best of my knowledge and belief.

Date: 14/03/2022

Place: Pune, Maharashtra



(Indra Jeet Chaudhary)