**Curriculum Vitae**

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| **Full Name** | **Dr. Indra Jeet Chaudhary** | G:\document\PIC PASPORT SIZE\IMG_20220404_141946_234.jpg |
| **Designation** | M. Phil. – Ph. D. (Environmental Science) |
| **Department** | Environment & Sustainable Development |
| **Campus** | Central University of Gujarat |
| **Email** | [indrajeet.cug@gmail.com](mailto:indrajeet.cug@gmail.com) |
| **Mobile** | +918140583473; 6351929597 |
| **Date of Birth** | 05/07/1987 |
| **Gender** | Male |
| **Category** | OBC (PH) |
| **Whether differently abled** | Yes |
| **Address** | **Present**  Sarovar Housing society, Block 7B, Jija Mata Chowk, Akurdi, Pune, Maharashtra, Pin Code. 411035 | **Permanent**  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 research articles in 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 Central university) Lucknow (Uttar Pradesh) | Environmental Science | 2012 | 61.25% | | 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 | | | |
| * **Membership in Professional and Social Organizations.**  |  |  |  |  |  | | --- | --- | --- | --- | --- | | **S. No** | **Member** | **Organization** | **Membership number** | **Year** | | **1.** | Life member | Power Social Entrepreneurships | PSE/2021-22/LM/06 | 2021 |  * **Publications (List of papers published in SCOPOUS and SCI Journals).**  1. **Chaudhary I. J.** and Rathore D. 2022. Effects of ambient and elevated ozone on morphophysiology of cotton (*Gossypium hirsutum* L.) and its correlation with yield traits. Environmental Technology & Innovation. 25, 102146. <https://doi.org/10.1016/j.eti.2021.102146>. ISSN: 2352-1864. **(Impact factor: 5.263).** 2. **Chaudhary I. J.** and Rathore D. 2021. Assessment of ozone toxicity on cotton (*Gossypium hirsutum* L.) cultivars: Its defensive system and intraspecific sensitivity. Plant Physiology and Biochemistry.166, 912-927. <https://doi.org/10.1016/j.plaphy.2021.06.054>. ISSN: 0981-9428. **(Impact factor: 4.270).** 3. **Chaudhary I. J.** and Rathore D. 2021. Micro-morphological and anatomical response of groundnut (*Arachis hypogaea* L.) cultivars to ground-level ozone. J Appl Biol Biotech. 9 (04) 137-150. DOI: 10.7324/JABB.2021.9419. ISSN: 2347-212X. **(Impact factor: 0.86).** 4. **Chaudhary I. J.** and Rathore D. 2021. Assessment of dose–response relationship between ozone dose and groundnut (*Arachis hypogaea* L) cultivars using Open Top Chamber (OTC) and Ethylenediurea (EDU). Environmental Technology & Innovation, 22, 101494. <https://doi.org/10.1016/j.eti.2021.101494>. ISSN: 2352-1864. **(Impact factor: 5.263).** 5. Rathore, D. **Chaudhary, I.J.** 2021. Effects of tropospheric ozone on groundnut (*Arachis hypogea* L.) cultivars: Role of plant age and antioxidative potential. Atmospheric Pollution Research. 12(3): 334–348. ISSN: 1309-1042. <https://doi.org/10.1016/j.apr.2021.01.005>. **(Impact factor: 4.352).** 6. **Chaudhary I. J.** and Rathore D. 2020. Relative effectiveness of ethylene diurea, phenyl urea, ascorbic acid and urea in preventing groundnut (Arachis hypogaea L) crop from ground level ozone. Environmental Technology & Innovation, 19, 100963. <https://doi.org/10.1016/j.eti.2020.100963>. ISSN: 2352-1864. **(Impact factor: 5.263).** 7. **Chaudhary, IJ.** and Rathore, D 2019. Dust pollution: Its removal and effect on foliage physiology of urban trees. Sustainable Cities and Society (51) 101696. <https://doi.org/10.1016/j.scs.2019.101696>. ISSN: 2210-6707. **(Impact factor: 7.587).** 8. Rathore, D and **Chaudhary, IJ** 2019. Ozone risk assessment of castor (*Ricinus communis* L.) cultivars using open top chamber and ethylenediurea (EDU). Environmental Pollution 244; (2019) 257-269. <https://doi.org/10.1016/j.envpol.2018.10.036>. ISSN: 0269-7491. **(Impact factor: 8.071).** 9. **Chaudhary, IJ.** and Rathore, D 2018. Suspended particulate matter deposition and its impact on urban trees. Atmospheric Pollution Research 9; 1072–1082. <https://doi.org/10.1016/j.apr.2018.04.006>. ISSN:1309-1042. **(Impact factor: 4.352).**  * **Publications (List of papers published in UGC care and Peer review Journals).** * **Chaudhary, I.J.** and Singh, V. 2020. 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. 10. 1-8. ISSN 1996-5044. DOI: 10.3923/rjnn.2019. * Singh, S., **Chaudhary, I.J.,** Kumar, P. 2019. 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, pp.56-61, ISSN: 2347-7520. DOI: <https://doi.org/10.26438/ijsrbs/v6i4.5661>. * Shah, KN., **Chaudhary, IJ.,** Rana, DK and Singh, V 2019. Impact assessment of different organic manures on growth, morphology and yield of Onion (*Allium cepa* L.) cultivar. Asian Journal of Agricultural Research, 13 (1) 20-27. ISSN 1819-1894. DOI: 10.3923/ajar.2019. * **Chaudhary, IJ.,** Singh, V., Rana, DK., Shah, KN 2019. Assessment of Heritability, Genetic Advancement and Yield of Bitter Gourd under Garhwal Region. International Journal of Science and Research (IJSR) 8: (2), 205 – 213. https://www.ijsr.net/archive/v8i2/ART20194963. * Shah, KN., **Chaudhary, IJ.,** Rana, DK and Singh, V 2019. Growth, yield and quality of knol-khol (Brassica oleracea var. gongylodes) as affected by fertilizer management. Fundamental and Applied Agriculture. 4(3) 959–969. ISSN: 2415-4474. 1–11. doi: 10.5455/faa.48471. * **Chaudhary, I.J.,** Neeraj, A., Siddiqui, M. A. and Singh, V. (2020). Nutrient Management Technologies and the Role of Organic Matrix-Based Slow-Release Biofertilizers for Agricultural Sustainability: A Review. Agricultural Reviews. 41(1): 1-13. ISSN :0976-0741. * Tiwari, AK., **Chaudhary, IJ.,** Pandey AK., 2019. Indian traditional trees and their scientific relevance. Journal of Medicinal Plants Studies; 7(3): 29-32. ISSN :2320-3862. * **Chaudhary, IJ.** and Singh, RP 2018. Studies on Growth, Mobilization of Nutrients and Yield of Wheat (Triticum aestivum L. PBW - 343) Applied with Organic Matrix Based Slow Release Bio Fertilizers. International Journal of Current Microbiology and Applied Sciences, ISSN: 2319-7706 Special Issue-7 pp. 3221-3238. * **Chaudhary, IJ.** and Rathore, D 2018. Phytomonitoring of dust load and its effect on foliar micro morphological characteristics of urban trees. Journal of Plant Science. 2: (3), 170 – 179, ISSN: 2456 – 9259. * **Books/Reports/Chapters/General articles etc:** * Soni, S., **Chaudhary, I. J.,** Singh, A., Rathore, D., 2021. Acute and Chronic Effects of Ground Level Ozone on Human Health. In book: Tropospheric Ozone: A Hazard for Vegetation and Human Health. Cambridge Scholars Publishing, 16, 575-621. ISBN: 1-5275-7057-6. * **Chaudhary, I. J** & Soni, S. 2020. Crop Residue Burning and Its Effects on the Environment and Microbial Communities. In book: Microbes in Agriculture and Environmental Development. (pp. 87-106). CRC Press. DOI: 10.1201/9781003057819-5. * **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. | | |
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| **Date:** 06/05/2022  **Place: Pune, Maharashtra** | **(Indra Jeet Chaudhary)** |