

Curriculum vitae

DARSHANA RASIKBHAI HIRANI



OBJECTIVE:

Leverage passion for education and research to contribute unique insights and develop impactful research skills. Aim to address critical challenges facing humanity and the environment as a resourceful and innovative person of science, ultimately making a significant contribution to my nation.

ACHIEVEMENTS:

- 1) Qualified TET-II, TAT-I and TAT –II exams of State Examination Board Gujarat 2023.
- 2) Qualified Ph.D. Entrance test of Botany 2023- Shri Govind Guru University, Godhra.
- 3) Qualified GSET - Life Science 2022 Life time Eligible for Assistant professor.
- 4) Qualified Ph.D. Entrance test of Botany 2019- Bhakta Kavi Narsinh Mehta University, Junagadh.
- 5) Qualified Ph.D. Entrance test of life sciences 2018-Saurashtra University, Rajkot.

EDUCATION QUALIFICATION:

Academic Qualification	University/Board	Year of Passing	Result %
S.S.C.	GSEB Gandhinagar	MARCH2010	83.15%
H.S.C.	GSHEB Gandhinagar	MARCH2012	63.07%
Bachelor of Science	Saurashtra Uni. Rajkot	APRIL2015	73.25 %
Masters of Science	Saurashtra Uni. Rajkot	APRIL2017	67.91%
B.Ed.	Bhakta Kavi Narsinh Mehta Uni. Junagadh	MAY2022	95.24%
Ph.D.	Shri Govind Guru Uni. Godhra	PURSUI NG	----

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PERMANENT ADDRESS:

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Zanzrda Road,
Junagadh-362015

PERSONAL DATA:

DATE OF BIRTH : 20/06/1995

GENDER : FEMALE

NATIONALITY : INDIAN

CATAGERY : OBC

LANGUAGES :GUJARATI,

HINDI, ENGLISH

PROFESSIONAL EXPERIENCE

POST	PERIOD	INSTITUTE
Assistant Professor	05-06-2017 to till date	Shri PKM College of Technology & B.Ed. Junagadh
Visiting teacher	November 2021 to March 2023	Adarsh Nivasi Shala Vi. Ja. Kanya, Junagadh

<p>1) B.Sc. Project</p>	<p>Title: “Phytochemical studies of Medicinal plants”</p> <p>Description: <i>Adhatoda vasica, Aegle marmelous, Phyllanthus emblica, Pongamia pinnata, Nyctanthes arbortristis, Tridax procumbens</i> plants were selected for phytochemical studies. This investigation was done by ethanolic extraction of leaves and tested for presence or absent of different phytochemicl, role of these phytochemicals was discussed which enhance the medicinal properties of these plants.</p>									
<p>2) M.Sc. Dissertation</p>	<p>Title: “Isolation and Identification of Pathogens from Postharvest Vegetables: Mechanisms of Its Pathogenicity”</p> <p>Description: Vegetables are horticultural products having living tissues with continuing metabolism, i.e. respiration, water loss and cell softening throughout postharvest. In this study various spoilagevegetables were used for analysis of microbial pathogens. Total 15 isolates were obtained which include 7 fungi and 8 bacteria. These pathogens were identified by morphology and molecular techniques. For identification of strain, genomic DNA was isolated and amplified. Bacteria and fungi were identified by <i>16S rDNA</i> and <i>28S rDNA</i> gene sequencing. Purified PCR product was proceeded for cycle sequencing and sequenced on Genetic Analyzer. All these sequences were analyzed by different bioinformatics tools. As a mechanism of its pathogenicity the bacterium was characterised by IAA secretion. The probable role of IAA secretion in the mechanism of its pathogenicity is studied.</p>									
<p>3) DNA sequences submitted To NCBI</p>	<p>Accession Number:</p> <table border="1" data-bbox="456 1370 1305 1556"> <tr> <td>MG451936</td> <td>MG451937</td> <td>MG451938</td> </tr> <tr> <td>MG451939</td> <td>MG451940</td> <td>MG451941</td> </tr> <tr> <td>MG451942</td> <td>MG451943</td> <td>MG451944</td> </tr> </table>	MG451936	MG451937	MG451938	MG451939	MG451940	MG451941	MG451942	MG451943	MG451944
MG451936	MG451937	MG451938								
MG451939	MG451940	MG451941								
MG451942	MG451943	MG451944								
<p>MEMBERSHIP</p>	<p>Life member of The Indian Science Congress Association</p>									



PAPERS/POSTERS IN CONFERENCES

Sr. No.	Title of Paper/Poster	Conference	Year
1	Phytochemical Analysis of <i>Aegle marmelous</i> and <i>Pongamia pinnata</i>	8th National level science Symposium 2015 on Recent Trends in Science and Technology organized by Christ College, Saurashtra University, Rajkot. Got 1st prize in UG Botany.	22/02/ 2015
2	Preliminary Phytochemical Analysis of <i>Adhatoda Vasica</i> and <i>Nyctanthes arbortristis</i>	International Science Symposium 2017 on Recent Trends and Technology organized by Christ College, Saurashtra University, Rajkot	14/02/2016
3	Isolation and Identification of bacteria from <i>Solanum melongena</i> and studies on mechanism of Its pathogenicity	International Science Symposium 2017 on Recent Trends and Technology organized by Christ College, Saurashtra University, Rajkot.	26/02/2017 & 27/02/2017
4	Isolation and Identification of bacteria from <i>Vigna sinensis</i> and studies on mechanism of Its pathogenicity”	UGC-CAS National Conference on Biodiversity and Bioresource Utilization 2017 organized by UGC-CAS Department of Biosciences Saurashtra University, Rajkot.	09/03/2017 & 10/03/2017
5	Anatomical and Biochemical Studies of <i>Nerium</i> and <i>Thevatia</i> Species	10th National level science Symposium 2018 on Recent Trends in Science, organized by Christ College, Saurashtra University Rajkot. Got 2nd prize in PG Botany.	11/02/2018
6	Isolation and identification of pathogen from postharvest vegetables and mechanism of its pathogenicity	National Conference On Inclination Of Modern Science Towards Environmental Protection And Sustainable Development, organized by Bahauddin Science College, Junagadh, Indian Science Congress Association (ISCA, Baroda chapter) and Department of Botany, The Maharaja Sayajirao university, Baroda Won best poster award in research scholar category.	23/01/2019
7	Pharmacological and Economical Potential of <i>Madhuca indica</i>: A Review	National Level Symposium on Advancements in Science with Emphasis on Career Focus, organized by Shri PKM College of Technology & B.Ed. Junagadh in association with Department of Lifesciences-Bhakta Kavi Narsinh Mehta University Junagadh.	05/02/2023
8	Molecular Characterization of Fungal Pathogens Isolated from the Postharvest Vegetables Based 28s rDNA Gene	National Conference on Environmental Solutions: Green Chemistry, Sustainable Development and Renewable Energy(NCES-2023) organized by Bahauddin Science College, Junagadh.	28/02/2023
9	Adaptation of <i>Madhuca indica</i> to its unique Climate and Soil Conditions: Morphophysiological and Physicochemical Approach	32nd APSI Scientist meet 2023 and International Conference on “Drug Discovery and Development in Agrobiotechnology and Pharmaceutical	23/12/2023 to 25/12/2023

		Sciences”, organized by SMT. N. M. Padaliya Pharmacy College, Ahmedabad.	
10	Seasonal Fluctuations in Morphophysiological and Ecophysiological Traits of Madhuca indica in Godhra, Gujarat	35th Gujarat Science Congress on Empowering Tribes Through Science: A Journey of Discovery, organized by Shri Govind Guru University Godhra	03/02/2024 & 04/02/2024

TRAINING COURSE OP/RC/STC/WORKSHOP

Sr .N O	Theme	Organizers	Course	Date	Day	Year
1	“NEP 2020 Orientation & Sensitization Programme”	Malaviya Mission Teacher Training Programme(MM-TTP) of University Grants Commission organized by Central University of Punjab	OP	18-12-2023 to 27-12-2023	7	2023-2024
2	“Digital Skills for smart Teaching” held from 22-23 June 2020	Raja Doraisingam Government Arts College affiliated to Alagappa University, Sivaganga, Tamilnadu.	FDP	22-06-2020 to 23-06-2020	2	2020-21
3	“Effective Usage of ICT Tools for Smart Teaching”	Jayraj Annapackiam College for Women, Periyakulam- 625601, Theni District, Tamilnadu, India.	FDP	9-5-2020 to 14-05-2020	1	2020-19