

## **Curriculum Vitae**

### **Dr.Gunmala Gugalia**

17/83, Rajendra Marg

Opposite Higher Secondary School

Bhilwara –311001

Tel. - (01482) 224654

Mob. 7597132876, 9461264284

---

### **AREA OF INTEREST -**

- Antibacterial, antifungal, antinematode activity of phytochemicals- molecular basis of the phytochemicals and effect of phytochemicals on bacteria, yeast and fungi of plants and human beings, at molecular level.
- Development of biomolecules of plant origin and their effect on the microorganisms applying various techniques.

### **PERSONAL PROFILE –**

Father's Name	:	Sh. Khyalilal Dak
Husband's Name	:	Mr. Rakesh Gugalia
Date of Birth	:	26-09-1977
Sex	:	Female
Marital Status	:	Married
Nationality	:	Indian
Language known	:	English, Hindi, Gujarati and Regional

### **EDUCATIONAL PROFILE –**

Class	Board/ University	Subject	Year	Percentage
M.Ed.	Rajasthan University, Jaipur	Education	2021	70%
Ph. D.	Mohan Lal Sukhadia University, Udaipur (Raj.)	Botany	2007	Awarded
B. Ed.	Mohan Lal Sukhadia University, Udaipur (Raj.)	Biology	2008	66.00%
M. Sc.	Mohan Lal Sukhadia University, Udaipur (Raj.)	Botany	2000	62.00%
B. Sc.	Mohan Lal Sukhadia University, Udaipur (Raj.)	Biology	1998	63.01%

12 <sup>th</sup>	Secondary Education Board, Rajasthan	Biology	1994	66.00%
10 <sup>th</sup>	Secondary Education Board, Rajasthan	General	1998	70.36%

## **EXPERICIENCE –**

### **Teaching experience – 20 years.**

1. Teaching undergraduate and post graduate in the faculty of **Botany** and **Biotechnology**, since **July 2001 to 2007** at University College of Science, M. L. Sukhadia University, Udaipur (Raj.).
  2. Worked as a principal at Rajiv **Gandhi P. G. Mahavidhyalya, Amarwasi. Dist. Bhilwara (Raj)**, since June 2010 to Oct. 2014.
  3. **Acharya Shree Mahapragya College of Excellance, Asind**, Dist Bhilwara from 2014 to 2017 as a Assit. Prof.in Botany
  4. **Maharshi Goutam College**, Bhilwara assistant professor, from July 2018 to July 2019
- Sangam University** as a Associate Professor in School of Basic and Applied Science from 1 August 2019 to Feb. 2023.
6. As a Principal at **SDM PG Girls College, Bhilwara**, Rajasthan from 1 March,2023 to 31 May2024
  7. **Sangam University** as Associate Professor in School of Basic and Applied Science from 1 August 2023 to present.
  8. From 1<sup>st</sup> May,2025, **Dean In charge**, School of Basic and Applied Science, Sangam University, Bhilwara

### ● **REASEARCH EXPERIENCE- 12 yrs**

- Research experience as registered Ph. D. scholar June **2000** On “Studies of antimicrobial activity of some local plants” at Microbial Research Laboratory, University College of Science, M. L. Sukhadia University, Udaipur (Raj.)
- Three years research experience as JRF in DBT sponsored at Microbial Research Laboratory, University College of Science, M. L. Sukhadia University, Udaipur (Raj.)
- Research Supervisor in Department of Botany, Sangam University from 2019

### **PH.D. AWARDED: ONE**

On the topic “ **Study the Effect of Gamma radiation, EMS, and colchicine on chromosome and Morphology of *Chrysanthamum carinatum*** ” on dated 15 March 2025 to Mrs. Reena Modi.

### **PROJECT UNDERTAKEN- Two**

- A student project sponsored by Rajasthan State DST in **2000- 2001** on ‘Study of antibacterial and antifungal activity of *Cassia fistula* .
- **Evaluation of Toxicity within Nanoparticles (nano urea, nano zinc, nano copper and nano DAP) in Aquatic Organisms** sponsored by IFFCO (Indian Farmers Fertilizer Cooperative Limited) in 2022-23(one lakh Rs.)

### **FELLOWSHIP**

- Departmental Research Fellowship in year 2002-2003
- JRF in DBT sponsored at Microbial Research Laboratory, University College of Science, M. L. Sukhadia University, Udaipur (Raj.)

### **BOOK PUBLISHED: 3**

**“Insect Science and Experiment”** Akinik Publication, Delhi. 2020. ISBN: 978-93-90420-73-5.

Doi:<https://doi.org/10.22271/ed.book.981>

**“Trends in Agriculture Using IoT”** Akinik Publication, Delhi. 2020. ISBN: 978-93-5570-11-4.

**“Critical Review of the New Education Policy in the Present Context”** Akinik Publication, Delhi. 2022. ISBN: 978-93—5570-208-

**“Sangmotkarsh”** SU Publication, Bhilwara, 2025, ISBN: 978-81-974342-7-1

### **PATENT-5 Published**

Dr Anil Kumar, Mr.Priyavand Bundela Mr.Shraban Kumar Apat, Dr.Sajith. S,Dr. Mohd. haikhul Ashraf, Dr. Gunmala Gugalia,Dr. Kumud Pant. **Engineered Nano Materials Approach To Sustainable Advance Crop Production.** Application No.202211012532 A, Published on18.3.2022

Dr.Shraddha Vaishnav, . Dr.Rajalakshmi S, Dr. K.Srinivasa Rao, . Dr. Gunmala Gugalia . Dr. Sudarshana Borah, . Ms. Bhanita Das, . Mr. Kamallochan Barman. **A Biot Assembly With Wireless Communication and A Smart User Interface Having Xml Protocolss.** Application no.202221050941. Published on 16/09/2022.

Sundar S. Mety, Ravish Gupta, Anil Kumar, Gunmala Gugalia, Ajay Kumar Jaiswal, Heera Lal Sharma, Shrikant B. Mane, Sumanta Bhattacharya, Vinayaka K.S, Surendra Kumar Gautam, Devvret Verma, Udhayaraja Periyasamy. **Systematic Approach for Genetic Analysis of Mushroom Formation for Increasing the Mushroom Yield.** Application No.202241063573 A. Publication Date: 18/11/2022

Gunmala Gugalia, Ajay Kumar Suwalka, Ajay Kumar Jaiswal, Nirmal Singh, Heera Lal Sharma, Dharmendra Kumar, Keshav Prasad Kurmi, Amit Kumar Chaudhary, Dr Jumman Ali Ansari. **Smart Agricultural Techniques Based on IoT for Detection of Soil nutrition and Plant Disease.** Application No.202311002124 A. Publication Date: 13/01/2023.

Reena modi, Gunmala Gugalia, Abhilasha Bhatt, Harshvardhan Dhakad, Ruchi Sharma. **A Novel Tea Composition and Method for Preparation.** Application No. 202311084620A, Publication Date: 12/1/2024

### **Guest Speaker/Session Chair**

Two Day national Seminar on “**Critical Review of The New Education Policy in the Present context**” held on 27-28 April, 2023 organized by Biff & Bright T. T. College, Padasoli, Dudu, Jaipur.

One day national conference on “**Role of Digital Learning System In Education , Socia , Political and Economical**”. role of digital learning system in education held on dated 18.3.2023 organized by Acharya Shree Mahapragya Institute of Excellence, Asind Bhilwara (Raj.)

International conference on **Social Science and Business Organized** by Center for Academic & Professional Career Development and Research (CAPCDR) **on dated, 16-17 December 2023.**

International conference on **Public Health and Technology Organized** by Center for Academic & Professional Career Development and Research (CAPCDR) **on dated, 25-26 December 2023.**

Invited speaker on Spirulina a Wonder of nature in Three days International Conference on “**Recent trends and innovations in applied sciences for sustainable Development of environment**” on January 22-24, 2024 Organized by SOBAS, Sangam University, Bhilwara (Rajasthan).

International conference on **Social Science and Business Organized** by Center for Academic & Professional Career Development and Research (CAPCDR) **on dated, 16-17 December 2023.**

International conference on **Artificial Intelligence in Academia and Professional** organized by Center for Academic & Professional Career Development and Research (CAPCDR) on dated, **25-26 December 2024**.

An International Multidisciplinary, Multilingual online conference on **From Tradition (IKS) to Tomorrow (NEP 2020)** Multidisciplinary conference for a Viksit Bharat @2047 organized by Vedant Knowledge System Pvt. Ltd. on dated, **29<sup>th</sup> September 2024**.

India's Biggest Virtual conference on “**Sustainable Development Goal 2030: Bridging Gaps, Building, Building Futures for Viksit Bharat@2047**” held between 18<sup>th</sup> to 22<sup>nd</sup> February 2025, organized by Vedant Knowledge System Pvt. Ltd.

Two Day national Seminar on “**The transformative role of AI in teaching and learning**” held on 25-26 April, 2025 organized by Biff & Bright T. T. College, Padasoli, Dudu, Jaipur.

## **Achievement**

- 1. International Young Scientist Award 2021** given by VDGGOOD Professional Association of Trivandrum, India for excellent scientific contribution.
- 2. Best Paper Presentation Award** entitled “**Recent Innovation in Sustainable Use of Agricultural Waste (Parali) into Biofuel**” in the First International Conference on Advanced Trends in Renewable Energy (ICATRE 2022) conducted by the Centre for Renewable Energy, Nehru Institute of Technology, Coimbatore on 13th and 14th October 2022.

## **TRAINING PROGRAMME**

3 Month training programme of “**Post-harvest management of fruits and vegetables**” organized by Department of Agriculture Sangam University, Bhilwara from Dec.-March 2021

## **REFRESHER COURSE**

UGC-SPONSORED REFRESHER COURSE (Online) **On Biotechnology & Bioscience** organized by UGC- HRDC, Jai Narayan Vyas Unisevrsity, Jodhpur, Rajasthan from 17-1-2022 to 31-1-2022 obtain **A<sup>+</sup> Grade**.

UGC-SPONSORED REFRESHER COURSE (Online) **On Biotechnology & Bioscience** organized by UGC- HRDC, Jai Narayan Vyas University, Jodhpur, Rajasthan from 2-15 Feb.2024 obtain **A<sup>+</sup> Grade**.

## **PUBLICATION**

- 1. 2002.** Sharma K., G. Dak, P. Mehta, A. Maheshwari and S. Bapna. **Study of medicinal plants of Dungla- village of Rajasthan.** Ind. J. Env. Sciences.6 (1): 51-52.
- 2. 2004.** Baregama., L.K., M. Ahmed, G. Dak, K. Sharma and G.L. Talesra.. **Evaluation of the antimicrobial activity of some novel alpha substituted hydroxylamine derivatives.** Ind. J. Pharmacol., 36(5): 315-16.
- 3. 2005.** Dak, G., K. Sharma, and M. Bhatnagar. ***Cassia fistula* fruit pulp: A possible antifungal agent against *Alternaria solani*.** In: Advances in Fungal diversity and host pathogen interactions. , Eds. B.I.Rodrigues, H.N.Gour, D.J.Bhatt & N.Kamat. (1) 37-41.
- 4. 2006.** Agrawal, A., Sharma, R., Dak, G., Bhatnagar, M., Dagliya, S. and K. Sharma. **Pollution management by culturing yeasts in dairy effluent.** In: Environment Management Practices: An Indian Outlook. Himanshu Publications, Udaipur
- 5. 2006.** Sharma, K., Dak, G. Nambakkat, L., Kanipatth,V. **X-ray diffraction evidence for antifungal action of *Cassia fistula* Linn. fruit pulp extract.** Clinical Microbiology and Infection, Vol.12, Supplement 4,pp. 12-13
- 6.** Dak G. and Sharma K. **Antimicrobial Activity of Some Medicinal Plants against *Candida albicans*.** Journal of Biological Science. 6(1):109-114
- 7. 2007** Agrawal, A., Sharma, R., Dak, G., Bhatnagar, M., Dagliya, S. and K. Sharma. **Pollution management by culturing yeast in dairy effluent. In Environment management practices: an Indian Outlook, Saxena k., Bhatt N., 187-190**

8. 2007. Dak, G., Agarwal, A., Sharma, R. and Sharma, K. **Inhibitory activity of various fractions of *Cassia fistula* fruit pulp extract against urinary pathogens.** Indian drugs. 44 (9) Sept: 716-718..
9. 2007. Sharma, K., Dak, G., Agawal, A., Bhatnagar, M., and R. Sharma. **Effect of Phosphate Solubilizing bacteria on the germination of *Cicer arietinum* seeds and seedling growth.** J. Herbal Med. Toxicol. 1(1):61-63.
10. 2008 Sharma, K., Saxena, A., Dak, G., Sharma, R. and Agrawal, A. **Isolation and assay of antifungal activity of Siderophore producing strain of *Pseudomonas aeruginosa*.** J. Mycol. Pl. Pathol. Vol. 37 No.2: 251-253.
11. 2010 Singh, B., A. Maheshwari, G. Dak, K. Sharma and G. L. Talesara. **Studies of Antimicrobial activities of some thiozolidione Fused Pyrimidines, (1,5)-Benzodiazepines and their Oxygen Substituted Hydroxylamine Derivatives.** Ind. J. Pharm. Sci. Sept.-Oct. 72 (5):607-612.
12. 2020 Gugalia, G. Kumar, N., Jayswal, A. **Evaluation of insecticidal activity of *Pongamia pinnata* seed extract against pulse beetle, *Callosobruchus Chinensis*** L International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 04 Issue: 04 | April -2020.
13. 2020 Gugalia, G. and Kanika Sharma. **In Vitro Antimicrobial Activity of Medicinal Plant *Pongamia pinnata*.** Ijppr.Human, 2020; Vol. 18 (2): 97-108.
14. 2020 Kumar, N., Sheekha, Jaiswal AK and Gugalia G. **In vitro Antimicrobial activity Seed extract of *P. pinnata* from Rajasthan.** International Journal of Multidisciplinary Education Research vol 9(2): 176-212. Peer reviewed
15. 2021 Gugalia, G. **Impact and Management of Aflatoxins.** International Journal of Multidisciplinary Education Research vol 10(5): 35-45.

16. **2021** Gunmala Gugalia. **Conservation of Medicinal and Aromatic Plants.** International Journal of Innovative Research in Science, Engineering and Technology, 10, Issue 12:15008-16.

17. **2021.** Gunmala Gugalia. **A Sustainable Agriculture: Organic Farming: A Review.** Bhartiya Krishi Anusandhan Patrika, 36(3):204-7.

18. **2022** Gunmala Gugalia. **Covid -19 and Herbal Alternate therapy.** Pramana Research Journal, Volume 12, Issue 2.

19. **2022** Shalini jiwan Chahande<sup>1</sup>, Anil Kumar, Gunmala Gugalia, L. Thimmesha, Rizwana Begum. **Challenges and possibilities in Nano-medicine for future clinical applications.** Bulletin of Environment, Pharmacology and Life Sciences. Vol 10 [11];20: 1-6.

20. **2022.** Ravina Dadhich, **Gunmala Gugalia.** **Role of Microbial Enzymes in Bioremediation of Pollutants: A Review.** Review of Medicine Surgery and Dentistry, 1(1), 2022; pp.9-15.

21. **2022.** Gunmala Gugalia. **Recent innovation in sustainable use of agricultural waste (Parali) in to biofuel.** Sustainable Engineering Science and Research Journal. Volume: 01; Issue: 02; Oct 2022: 06 – 10.

22. 2023. Nirmal Singh., Ajay Kumar Suwalka and \*Gunmala Gugalia. **Covid-19: Role of Cloud Computing in Education.** Mukta Shabd Journal. Volume XII, Issue I, pp:388-396.

23. **2023.** Azra parveen Quazi, Gunmala Gugalia and Shahdab Hussain. **Photosynthetic Pigments and Their Degradation under Hyperthermia in Two Species of Ophioglossum L.** Acta Biomed; Vol. 94, N. 2: ISSN: 0392-4203 | eISSN: 2531-6745.

24. **2023.** Reena Modi and Gunmala Gugalia. **The effect of Gamma Radiations on seed germination and survival rate in *Chrysanthemum carrinatum*.** Indian Journal of Plant Science. Volume 12; 91-96.



**25. 2023.**Gunmala Gugalia and Anjali Sharma. **Vital Role of Nanoparticles as Nanofertilizer in Crop Yield Improvement.** Adv. Biores., Vol 14 (6) November 2023: 586-595

**26. 2023.** Ravina Dadhich<sup>1</sup>, Ajay Kumar Jaiswal, Heera Lal Sharma, Gunmala Gugalia. **Phycoremediation of Waste Water of Gandhi Sagar Pond, Bhilwara.** Adv. Biores., Vol 14 (6) November 2023: 596-600.

**27. 2024.** Ajay Kumar Jaiswal, Heera Lal Sharma, Gunmala Gugalia. **Mushroom-A Nutritious and Environment Friendly Crop: A Review.** Bhartiya Krishi Anusandhan Patrika. DOI: 10.18805/ BKAP694.

**28. 2024.** Heera Lal Sharma, Ajay Kumar Jaiswal and Gunmala Gugalia. **The Effect of Integrated Nutrient Management Approach in Vegetable Crops.** Indian Journal of Natural Sciences, Vol.15 / Issue 83/Apr: 71035-71039.

**29. 2024.** Gunamala Gugalia and Krishna Mundra. **Mental and Physical Health Issues Among Health Care Workers during the COVID-19.** Indian Journal of Natural Sciences.Vol.15 (85): 78613-17.

**27.2025.** Tripti Dashora and Gunmala Gugalia. **Leveraging Traditional Knowledge: Government's Role in Validating and Promoting Medicinal Plant Research in District Chittorgarh, Rajasthan.** International Journal of Education, Modern Management, Applied Science & Social Science (IJEMMASSS). Volume 07, No. 01(I), January- March; 105-108.

## **BOOK CHAPTER-10**

**2007** Sharma,K., A. Agrawal, R. Sharma and G. Dak . **Plant as a source of antimicrobial agents: a review.** In: Biocontrol of Plant Diseases. P. C. Trivedi (ed.) Avishkar Publishers & distributors, Jaipur.1<sup>st</sup> edition: 243-272. ISBN: 978-8171324941

**2010.** Sharma,K., Jain, T., Dak, G., Agarwal, A. and Sharma, R. “**Use of Botanicals to control plant pathogenic Deuteromycetous Fungi**” In: Agricultural Microbiology. Ed. Dr. P.C. Trivedi. Pointer Publishers. Jaipur

**2020** Gugalia,G., Somani,C. and Chauhan, P. “**E-Commerce, Trade and the Covid-19 Pandemic**” In: Impacts and catastrophe Management. Ed. Summerwar, S.Alka Publication, Ajmer. ISBN: 978-81-941852-6-0

**2020** Somani,C. Joshi,P, Gugalia, G., Mehta, P. , Yadav, DK. “**Application of nanoparticles as an emulsion in insect management.**”In: Insect Science and Experiment. Ed. Lall, D., Summerwar,S.,Gugalia,G.,Singh, A. Akinek Publication, New Delhi ISBN: 978-93-90420-73-5. *Doi:https://doi.org/10.22271/ed.book.981*

**2020** Gugalia,G.and Somani, C. **A total systematic Approach to insect Pest management of Rice crop.** In: Insect Science and Experiment. Ed. Lall, D., Summerwar,S.,Gugalia,G.,Singh, A. Akinek Publication, New Delhi ISBN: 978-93-90420-73-5. *Doi:https://doi.org/10.22271/ed.book.981*

**2020** Gugalia,G.and Somani,C. **Biopesticide as Eco-friendly approach for pest control.** In: **Dimension of human Environment Relationship.** Ed. Bhati,PC. Raj Publishing House, Jaipur. ISBN: 978-93-88997-17-1.

**2021** **Gugalia, G.** Treatment of waste water by nanoparticles. In: Environment and Sustainability. Ed. Bhati, PC. Raj Publishing House, Jaipur. ISBN:978-81-953150-9-3.

2021. Gugalia, G. Students' and Teachers' **Perspectives on The Impact of E Learning During COVID-19.** In: Online Education: Myths and Facts. Ed. Dhage Thorat, Kale, INSC International Publishers, Karnataka.

**2022.** **Gugalia, G. Mushroom Bioactive Constituents: A Potential Health Benefit.** In: Recent Trends of Innovations in Chemical and Biological Sciences. **V. (III).** ISBN: **978-93-91768-73-7.** Bhoomi Publication, pp: 72-82.

**2023. Gugalia,G. Sustainable Organic Farming: A Future Prospectus In India.**

Frontiers In Chemical, Biological and Pharmaceutical Sciences. M.M. Barwant, B. Satyanarayana (Ed.). VOLUME III. ISBN: 978-93-95847-85-8, Bhoomi Publication, pp: 90-98.

**2023. Charul Somani, Dinesh K. Yadav, Mahesh Meena, Neetu Kumari, Gunmala Gugalia. Coronaviruses A pandemic: Symptoms, Treatment, Its influence, Future Challenges towards the World and India.** In: Global Environmental Science: Anil K. Chohadia, Narendra Nirwan, and Chandresh Pareek (ed.). Raj Publishing House, Jaipur.ISBN:978-93-91777-61-6. pp:16

**2024. Gunmala Gugalia, Ravina Dadhich. Spirulina: A Wonder of Nature- A Review on its Application.** In: Recent Trends and Innovations in Applied Sciences. (Ed). Preeti Mehta, Seema Kabra, Shweta Bohra, Nirma Dhaker. ISBN: 978-81-970242-3-8.SU Publication, pp: 135-146.

**2025. Gunmala Gugalia and Krishna Mundra. Indian Knowledge System and Rural Management** In: Indian Knowledge System, Multidimensional Perspective. Jintu Thakuria and Purbi Goswami (Ed.). Asian Book Hills, India. ISBN:978-93-48848-1, pp:53.

**2025.Gunmala Gugalia. Traditional Indian Knowledge System: Insights and Perspectives.** In: Indian Knowledge System, Multidimensional Perspective. Jintu Thakuria and Purbi Goswami (Ed.). Asian Book Hills, India. ISBN:978-93-48848-1, pp:77.

**PAPERS PRESENTED**

- Papers entitled “Antifungal activity of *Cassia fistula* Linn. Fruit pulp extract” was presented at national conference on Environmental Biology Oct. 17-18, 2002 at Saurashtra University, Rajkot, Gujrat.
- **Papers entitled “ *Cassia fistula* fruit pulp: A possible antifungal agents against *Alternaria solani* ( P. R. Verma award competition for Ph.D. Students)** was presented at

26<sup>th</sup> annual conference and symposium of Indian Society of Mycology and Plant Pathology ISMPP 2004.

- **Paper entitled** “ Pollution Management by Culturing Yeast in Dairy Effluent” was presented at **International Conference** on “Environmental Management Practices in India, Issue, Imperative and Implications” organized by Pacific Institute of Management, Udaipur on 3<sup>rd</sup> March –5<sup>th</sup> March 2006.
- **Paper entitled “ Phycoremediation of Waste water by Microalgae: Review** was presented at on ICECC International Conference held 21-22 December 2019 , Sangam University, Bhilwara
- **Paper entitled “ Studies of the medicinal plants of Parsoli village, Tehsil Begun, Dist. Chittorgarh”** International Conference of Analytic and Interdisciplinary Research organised by Sangam University, Bhilwara held on 5-6 February 2021
- Paper entitled “**Role of Cloud computing in Education**” National conference on “Smart cities: A Roadmap for development of Digital and Smart India” organised by Aravali Institute of Technical Studies on 27-28 Feb. 2021.
- Paper entitled “ **A Review: Vital role of Nanofertilizer in Crop Yield Improvement**” in the 3<sup>rd</sup> international conference on Environmental, Agricultural, Chemical and Biological sciences organized by VOICE, India held on 22-26 January, 2022
- Paper entitled “**A review developing sustainable biopolymer from plastic waste**” presented in The International Multidisciplinary Conference on Future Vision of India at 100 in 2047 organized by Daly college of Business, Indore held on 28-29 January, 2022.
- paper entitled “**Upcycling of Plastic: Developing sustainable biopolymer**” presented in the International Multidisciplinary Conference on Recent Trends in Environmental Science and Management organized by Department of Environmental Science & UGC-STRIDE Cell, K. R. T. Arts, B. H. Commerce, A. M. Science (KTHM) College, Nashik, Maharashtra, India in collaboration with Brazil Chapter, International Youth Society, Australia held during 6<sup>th</sup> & 7<sup>th</sup> August 2021.

- Paper entitled “**Role of Microbial Enzymes in Bioremediation of Pollutants : A Review**” presented in International Virtual Conference on Challenges in Education, Business and Technology, February 20-21, 2022 Organized by Center for Academic & Professional Career Development and Research (CAPCDR).
- Paper entitled “**Spirulina A wonder of nature. A review on its application**” in the international conference on advance in Biotechnology and applied Microbiology held on March 30-31, 2022 organized by School of Life science and Technology, IIMT University, Meerut, UP, India.
- Paper entitled “ **Green Synthesis and Characterization of copper Nanoparticles using *Nyctanthes Arbor-tristsis* leaves**” in the International Conference on ICAIR-2, held on dated 6-8 October 2022, organized by Sangam University, Bhilwara.
- Paper entitled “**A Review of Management Strategies for Tomato Fusarium Wilt Caused by *Fusarium Oxysporum Sp.Lycopersici***” in the International Conference on ICAIR-2, held on dated 6-8 October 2022, organized by Sangam University, Bhilwara.
- Paper entitled “**Body Weight of sonadi and Khari Sheep Maintained in Minor Breeding Tract of sonadi sheep**” in the International Conference on ICAIR-2, held on dated 6-8 October 2022, organized by Sangam University, Bhilwara.
- Paper entitled “**Nutritional Facts, intoxication and therapeutics Aspects of pennisetum Sps.: A Review** ” in the International Conference on ICAIR-2, held on dated 6-8 October 2022, organized by Sangam University, Bhilwara.
- Paper entitled “ **Enhance Effectiveness Of Co- Curricular Activities In Higher Education**” in national Seminar on Critical Review of the new education policy in the present context organized by Biff & Bright teacher Training College, Padasoli, Dudu, Jaipur on dated 27-28 April 2022.

- Paper entitled “**Effect of Mutagens on Garden Chrysanthemum Species**” in the International Conference on ICAIR-2, held on dated 6-8 October 2022, organized by Sangam University, Bhilwara.
- Paper entitled “**Green Synthesis of Metal nanoparticles Using Plant Extracts**” in the International Conference on ICAIR-2, held on dated 6-8 October 2022, organized by Sangam University, Bhilwara.
- Paper entitled “ **Role of Tribals in Preservation of food During Summer**” presented in national seminar on Tribal Contribution in Freedom struggle held on 14-15 September, 2022 organized by ABRSM and Sangam University, Bhilwara
- Paper entitled “Developing **sustainable Organic Fertilizer from Biomass Waste in Granular Form**” at the International Conference on Engineering, Social Science and Management held on June 23, 2023 organized by Sri Balaji College of Engineering and Technology, Jaipur, India.
- Paper entitled “**Preparation of herbal products from waste flower of temple Bhilwara, Rajasthan, India** at the International Conference on Social Science and Business, December 16-17, 2023 organized by CACPCDR.

#### **CONFERENCE / SYMPOSIA ATEENDED**

1. National conference on Environmental Biology Oct. 17-18, 2002, held at Saurashtra University, Rajkot, Gujrat.
2. Workshop on “Alternative Medicine- Application of Herbal drugs” held on 15<sup>th</sup> October 2003, attended at Dept. of Zoology, Mohan Lal Sukhadia University, Udaipur (Raj.).
3. Third west zone meet 2004 held at Department of plant pathology, Rajasthan College of Agriculture, MPUAT, Udaipur on 15<sup>th</sup> June 2004.
4. 26<sup>th</sup> annual conference and symposium of Indian Society of Mycology and Plant Pathology ISMPP, 2004, organized by UGC-SAP Department of Botany, Goa University, and Goa held during 7-9<sup>th</sup> October 2004.

5. 7<sup>th</sup> annual conference of Society of Science and Environment held on 17<sup>th</sup>–18<sup>th</sup> Sept. 2005 attended at Dept. of Zoology, Mohan Lal Sukhadia University, Udaipur (Raj.).
6. **Global conference** II of Indian Society of Mycology and Plant Pathology organized by Maharana Pratap University of Agriculture and Technology, Udaipur (Raj.), held during 25<sup>th</sup>–29 Nov. 2005.
7. XXIX All India Botanical Conference and National Symposium on “Emerging Trends in Plant Biology, Environment Protection and Biotechnology” organized by Department of Botany, Mohan Lal Sukhadia, University, (Raj.)
8. **International Conference** on “Environmental and climatic consequences: challenges and Mitigation Strategies” organized by Department of Science and Technology of Sangam University, Bhilwara on 21-22 Dec.2019.
9. International Conference of Analytic and Interdisciplinary Research organized by Sangam University, Bhilwara held on 5-6 February 2021
10. National conference on “Smart cities: A Roadmap for development of Digital and Smart India” organised by Aravali Institute of Technical Studies on 27-28 Feb. 2021.
11. Interdisciplinary National E-Conference on “**Impacts Of Online Education**” jointly organized by Department of Commerce, Arts Commerce College, Yeoda Dist. Amravati and Sant Gadge Maharaj Arts, Commerce & Science College, Walgaon Dist. Amravati. held on 30th November 2021
12. One day National Conference on “Inovation in Basic Science for Sustainable Development (NCIBSSD 2022) organized under the MoU between the departments of Zoology on January, 2022.

## **WORKSHOPS**

1. NPTEL Awareness Workshop jointly organized by IIT Kanpur and SOBAS Sangam University, on dated 17 October, 2019.

International Workshop on Microalgal Technology organized by Marian Star Centre, Department of Botany, St. Mary's College (Autonomous), Thoothukudi, sponsored by the Department of Biotechnology, New Delhi from 16th to 18th February 2022.

2. E-Workshop on 'Current Challenges in Promotion and Protection of Intellectual Property Rights' held on 21 October 2021. IPR Cell and Department of Botany, Government College, Kota (Raj.) in collaboration with DST, Government of Rajasthan, Jaipur.

3. Five day workshop on "**How to Develop Project Proposal**" Organised By IQAC and Research Development Cell, Held at Sangam University, Bhilwara on October 20-21, 2022.

4. A National Workshop cum Training on Recombinant DNA Technology and Genetic Engineering Conducted by Sangam University, Bhilwara (Rajasthan) in collaboration with Zonal Championship & E-Cell IIT Kharagpur held from 10-12 October, 2022.

5. Two day National Workshop on "**Challenges Before Heis In Remote Areas For Achieving Quality Improvement Through Assesment & Accrediation Process**" held on November 24-25, 2022 organised by IQACSangam University, Bhilwara

#### **FDPs**

1. 15 days FDP on **Emerging Trends on online education** from 1-14 July, 2021by Trinity College of Women, Nammakal, Tamlnadu in Colleboration of UGC HRD Centre,Bhagat Phoole Singh Mahila mahavidhyalya Haryana.

2. 5 Days Global E-FDP on "**Unleashing Research Potential: Global Trends and Practices**" Organised by Office of International Relations, Galgotias University, Greater Noida, Uttar Pradesh held from March 7-11, 2022.

3. 5 days online faculty development program (FDP) on "**Emerging Technologies for Sustainable Development**", organized by Department of Electronics & Communication Engineering & EEE, Amity School of Engineering & Technology, Amity University



Rajasthan, Jaipur, in collaboration with IEEE Rajasthan Subsection, during 20th to 24th September 2021.

4. 5 days Faculty Development Program on **“ICT Tools for Effective Teaching Learning”**, from 26th July to 2nd August 2021, organized by Internal Quality Assurance Cell [IQAC], Sangam University.

5. 5 Days FDP program on **“Emerging Technology for sustainable development”** organized by Department of EEE, Amethi University of Rajasthan, Jaipur from 20-24 January 2021.

6. Two days FDP **“Outcome Based Education & its Implementations”** organized by IQAC held at Sangam University, Bhilwara on 12-13 April, 2022.

7. Seven days FDP **“Characterization techniques used in chemical and biological Science (Botany)”** organized by Wagire College of Arts, Science and Commerce, Savitri Bai Phule University, Maharashtra on 10-16 Feb. 2022.

#### **MEMBERS/ COORDINATOR**

1. Member of technical committee of ICECC conference organized by Sangam University, Bhilwara on 21-22 Dec. 2019
2. Member of review committee of ICECC conference organized by Sangam University, Bhilwara on 21-22 Dec. 2019
3. Coordinator of Poster presentation of ICECC conference organized by Sangam University, Bhilwara on 21-22 Dec. 2019
4. Member of Departmental NAAC analysis of criteria no. of 6
5. Programme coordinator of MSC Botany( from 2019-2021)
6. Member of BOS committee of Dept. of Botany, School of Basic and Applied Science.
7. Member of Students Grievance and Redressal Committee, Sangam University, Bhilwara( 2021-22)
8. Organizing member of Presentation of ICAIR-I 2021

9. Member of Review committee of ICAIR-II 2022
10. Session Coordinator and Rapporteur of ICAIR-II 2022
11. Programme Coordinator of B.Sc Bio ( from 2022- 23)
12. Research Coordinator of SOBAS, Sangam University, Bhilwara( 2021-22)
13. Coordinator of Research Club, Sangam University, Bhilwara( 2021-22).
14. Member of NAAC criteria III of Research, Innovation and Extension

#### **DECLARATION**

I hereby declare that the above information furnished by me is true to the best of my knowledge and belief.

Yours Sincerely,

**(Dr. GUNMALA GUGALIA)**

**Date**



