



## **DR. SONAL SANJAY DHABEKAR**

**DESIGNATION:** ASSISTANT PROFESSOR,  
DEPARTMENT OF COSMETIC TECHNOLOGY

**ACADEMIC QUALIFICATION:** B.TECH,  
M.TECH, PH.D.

**WORK EXPERIENCE:** 22 YEARS

### **RESEARCH CONTRIBUTION**

#### **POST DOCTORAL RESEARCH**

- Completed Post-Doctoral Research Fellowship as Principal Investigator under Women Scientist Scheme, Department of Science and Technology, Ministry of Science and Technology, Government of India, New Delhi.

Total Project Sanctioned Grant: 32,10697/-, Duration of project: Nov 2017 to Nov 2020

#### **PATENT GRANTED**

- Patent granted on Eco-friendly pesticide composition.

#### **RESEARCH PAPER PUBLISHED IN JOURNAL PUBLICATIONS**

- Chitosan obtained by sea waste based materials in cosmetics April 2024, volume 11, Issue 4, 321, Journal of Emerging technology and innovative research.
- Millets: A multifunctional ingredient in cosmetics UPA National E Journal Special issue: Volume 9, Issue 2 October 2023, Page No 122 –ISSN NO 2455-4375
- Green Chemistry and microscale technique: A move towards environment friendly approach. International journal for Research in applied Science and Engineering Technology, ISSN 2321-9653, Vol 8 Issue I, Jan 2020
- Impact of Environmental Factors on Rise in Mosquito borne diseases, ISBN 978-93-80985-23-7, National Seminar Proceedings Aarogyam Dhansampada: A lifelong Treasure 2019.
- Bovine Colostrum a Secret Multifunctional Ingredient in Cosmetics in International Journal of Emerging Technologies and Innovative Research with ISSN: 2349-5162, Volume 6 Issue 3, March 2019.

- Best Out of Waste: Multifunctional ingredients in Cosmetics in Research Journey” International E – Research Journal, Special Issue 81- Literature, Culture, Society and Media Adaptations, ISSN:2348-7143, February 2019.
- Ecofriendly mosquito repellents ,14<sup>th</sup> International Conference on Vectors and Vector Borne Diseases, National Academy of Vector borne diseases, Jan 2019
- Multifunctional Material from Waste in International Journal of Current Engineering and Scientific Research with ISSN 2393-8374, Volume 6, Issue 1(Part III) January 2019.
- Stagnant Water Breeding Site for Mosquitoes in National Aqua Conference on Water Conservation: Role of Educators Proceedings with ISBN 978-93-80985-20-6 organized by LAD and SRP College for Women, Nagpur, January 2019.
- Mosquito Borne Diseases: Threat for Women Health in Pregnancy in International Journal of Research and Analytical Reviews (IJRAR) E –ISSN 2348-1269, P-ISSN2349-5138, Volume 5, issue 4, pp.266-271, December2018.
- Ecofriendly Mosquito repellent: Recent trend in Environmental Sciences -A Review, Aayushi International Interdisciplinary Research Journal (AIIRJ), UGC approved no 64259, ISSN 2349-638x, 2018.
- Effect of Air Pollution on Hair in Journal of Emerging Technologies and Innovative Research in Oct 2018Vol 5, Issue10 , ISSN: (2349-5162).
- Potato Peel Extract: Natural Cosmetic Ingredient in Journal of Emerging Technologies and Innovative Research in Oct 2018Vol 5, Issue10, ISSN: (2349-5162).
- A review on Mosquitoes: An Occupational Hazard and Ecofriendly Mosquito Repellents a need of hour in The Botanique, UGC approved Journal ISSN0257-800X, Vol .21,2017 Official Publication of Science Research Institute Intenationale.
- Sprouted wheat micro particles using melt dispersion technique in cosmetics in International Education and Research Journal (IERJ) in Dec 2015, E-ISSN: 24549916.
- Encapsulation of Sprouted wheat and it incorporation in Cosmetics in International Education and Research Journal (IERJ) in Dec 2015, E-ISSN :24549916
- Abstract of research paper titled Hand care Cosmetics with Chalcones: New era of hand hygiene published as first author in e- proceeding in Multidisciplinary National Conference on Green Earth Clean Earth jointly organized by L.A.D and Smt R.P College for Women, Nagpur and IRICH on 10 th Feb 2024.

- Oral presentation on Millets : A multifunctional ingredient in cosmetics, Shriniketan, in Oct 2023.
- Poster Presentation on Herbal solution to control all life cycle stages of Mosquitoes ,at 15th Conference on Vectors and Vector borne diseases , ICMR , NIMR , Goa University on 15th to 17th February 2023.

### **Papers Published and Oral and Poster Presentations in Conferences**

- Delivered an oral presentation on "Best Out of Waste: Multifunctional Ingredients in Cosmetics" at the National Conference organized by Vidya Bharti Mahavidyalaya, Amravati, on 1st and 2nd February 2019.
- Presented a poster on "Best Out of Waste: Multifunctional Ingredients in Cosmetics" at the National Conference organized by Vidya Bharti Mahavidyalaya, Amravati, on 1st and 2nd February 2019.
- Delivered an oral presentation on "Best out of Waste" at Avishkar Interuniversity Research Festival on 3rd January 2018, representing Nagpur University at the State Level.
- Presented a poster on "Best out of Waste" at Avishkar Interuniversity Research Festival on 3rd January 2018, representing Nagpur University at the State Level.
- Presented a poster on "Ecofriendly Mosquito Repellents" at the International Conference on Vectors and Vector Borne Diseases held from 9th to 11th January 2018 at Swosti Premium, Bhubaneshwar.
- Delivered an oral presentation on "Best out of Waste" at Avishkar Interuniversity Research Festival on 4th January 2018 at the District Level.
- Presented a poster on "Best out of Waste" at Avishkar Interuniversity Research Festival on 3rd January 2018 at the District Level.
- Presented a poster on "Mosquito Borne Diseases: Threat for Women Health in Pregnancy" at the International Conference on Women Empowerment and Leadership 2018 organized by Dhote Bandhu Science College, Gondia, on 26th and 27th November 2018.
- Delivered an oral presentation on "Women Empowerment after Break in Career" at the International Conference on Women Empowerment and Leadership 2018 organized by Dhote Bandhu Science College, Gondia, on 26th and 27th November 2018.
- Presented a poster on "Multifunctional Material from Waste" at the International Conference of Multifunctional Advanced Material ICMAM 2018 organized by Kamla Nehru Mahavidyalaya and Dharampeth M.P. Deo Memorial Science College in association with ISCAS Jammu from 5th to 7th October 2018.

- Presented a poster on "Ecofriendly: Recent Trend in Mosquito Repellency" at the National Conference organized by PG and Research Department of Chemistry and IGNOU Regional Center on Indian Heritage in Chemistry at Hislop College, Nagpur, on 27th March 2018, and won 2nd prize in Poster Presentation.
- Delivered an oral presentation on "Ecofriendly Mosquito Repellents: Recent Trend in Environmental Sciences" at the UGC and DST Sponsored International Conference on Recent Trends in Science and Technology at S.S.S.K.R. Innani Mahavidyalaya, Karanja (Lad), District Washim on 22nd and 23rd March 2018.
- Presented a poster on "Green Chemistry in Mosquito Repellency" in the Souvenir of Recent Trends in Chemical Sciences at the National Conference on Recent Advances in Chemical Sciences on 26th and 27th February 2018 at Shri Shivaji College of Arts, Commerce, and Science, Akola.
- Presented a poster on "Green Chemistry in Mosquito Repellency" in the Souvenir of Recent Trends in Chemical Sciences NCRACS 2018.
- Presented a poster on "A Review on Mosquitoes: An Occupational Hazard and Ecofriendly Mosquito Repellents a Need of Hour" at the National Conference on Occupational Health Hazards and its Holistic Management organized by Pratibha Shakti, National Institute of Miners Health, and Rajiv Gandhi Biotechnology Centre, Nagpur, on 20th and 21st January 2018.

## **ACHIEVEMENTS**

- Won 1st prize in Oral Presentation on "Best Out of Waste: Multifunctional Ingredients in Cosmetics" at the National Conference organized by Vidya Bharti Mahavidyalaya, Amravati, on 1st and 2nd February 2019.
- Won 1st prize in Poster Presentation on "Best Out of Waste: Multifunctional Ingredients in Cosmetics" at the National Conference organized by Vidya Bharti Mahavidyalaya, Amravati, on 1st and 2nd February 2019.
- Won Best Poster Presentation on "Mosquito Borne Diseases: Threat for Women's Health in Pregnancy" at the International Conference on Women Empowerment and Leadership 2018 organized by Dhote Bandhu Science College, Gondia, on 26th and 27th November 2018.
- Won 2nd prize in Poster Presentation on "Eco-friendly: Recent Trend in Mosquito Repellency" at the National Conference organized by PG and Research Department of

Chemistry and IGNOU Regional Centre on Indian Heritage in Chemistry at Hislop College, Nagpur, on 27th March 2018.

### **CONTRIBUTION AT UNIVERSITY LEVEL**

- Won First prize in Poster Presentation at Avishkar University Research Festival at District level and participated at state level at Nanded in Jan 2014.
- Won 1st Position at Avishkar University Research Festival 2015 under category Research: Pure Science and selected for round III at Mohta Science College, Nagpur.
- Won 1<sup>st</sup> Position at Avishkar University Research Festival 2016 Stage II in Poster Competition under Pure Science Category
- Represented Nagpur University at State level and shortlisted and was 1st five in State Level in 2018 on 15 to 18 Jan 2018 at Gondwana University, Gadchiroli
- Won 1st Prize in Poster Presentation at Avishkar Research Festival at District level on 3<sup>rd</sup> and 4<sup>th</sup> Jan 2018 at C.P Berar College, Nagpur
- Appointed as External Examiner for Bachelor of Cosmetic Technology.
- Appointed as External Examiner for Master of Cosmetic Technology.
- Appointed as guide for Master of Cosmetic Technology IV sem in Post graduate department of Cosmetic Technology 2022,2023,2024.
- Paper setter for Bachelor of Cosmetic Technology and Master of Cosmetic Technology.
- Paper setter for Master of Fashion Designing.
- Valuation for Bachelor of Cosmetic Technology, Master of Cosmetic Technology and Master of Fashion Designing.
- Paper setter and valuation for Pradhanmantri Kaushalya Vikas Yojna for Beauty and Wellness Sector.
- Member of Moderation Committee.
- Invigilator at College level and University level examination 2023, 2024
- Member of inspection committee for centre inspection under RTMNU lifelong learning and extension department.

### **COLLEGE COMMITTEE LEVEL RESPONSIBILITY UNDERTAKEN**

- Convenor and Incharge of Innovation, Patent and Incubation Centre, LAD and SRP College for Women.

- Teacher incharge and member of Makeover competition in Aura 2024 Intercollegiate Cultural Festival
- Teacher incharge and member of Shark Tank Competition in Aura 2024 Intercollegiate Cultural Festival.
- Mentor of Winner Team of Cosmetic Technology in Shark Tank Competition in design strategy in Aura 2024 Intercollegiate Cultural Festival.
- Member of fund raising committee for One Day National Conference on Green Earth Clean Earth
- Member of Journal Publication Committee (UGC care listed) for One Day National Conference on Green Earth Clean Earth.
- Conducted Technical Session III of oral presentations at Multidisciplinary National Conference on Green Earth Clean Earth jointly organized by L.A.D and Smt. R.P College for Women, Nagpur and IRICH on 10<sup>th</sup> Feb 2024.
- Member of Criteria III in Internal Quality Assurance Committee of L.A.D and Smt. R.P College, Nagpur.
- Sports Committee incharge of Cosmetic Technology Department.
- Member of Women's Studies Committee.
- A workbook cum Journal compiled as per scheme of Practical of Beauty Culture with Dr. Jayashree Hajare in 2022.
- Designed Beauty Skill Development Programme course modules for Department of Cosmetic Technology, LAD and SRP College for Women's in 2018 -2019
- Designed Skill Development Programme course module for Department of Chemistry, L.A.D and SRP College for Women with Dr Charital Patil in 2019.
- Designed Multi Exit Vocational Degree Programme in Beauty and Wellness under UGC, B.VOC proposal under National skill qualifications framework (NSQF) in 2019.

**AS RESOURCE PERSON, SPEAKER, AND EXPERT COMMITTEE MEMBER:  
CONDUCTED WORKSHOPS, TRAINING, AND SEMINARS**

- Attended and completed a one-week National Workshop on Intellectual Property Rights (Patents and Industrial Design) from 18th to 22nd March 2024, organized by the Research and Development Cell in association with the Post Graduate Teaching Department of Law, Internal Quality Assurance Cell, and Intellectual Property Rights Cell, RTM Nagpur University, Nagpur.

- Conducted a workshop as a resource person on herbal floor cleaner manufacturing, packaging, marketing, costing, and display and selling on the stall on 13th April 2024 at the Department of Chemistry, L.A.D and S.R.P College, Shankar Nagar, Nagpur.
- Invited as an evaluator for the VIBHA Science and Technology Model Making Competition and Exhibition organized by Vidhnyan Bharti Vidharba Pradesh Mandal in association with Anjuman College of Engineering and Technology, Sadar, on 18th and 19th February 2024.
- Delivered an expert guest lecture on "Innovators Insight in Intellectual Property Protected Technologies" at ICRISAT Campus, Patancheru, Hyderabad, on 7th February 2024 for delegates from 10 African countries, organized by the Ministry of External Affairs and Indian Technical and Economic Cooperation to promote women in science and impart specialized knowledge in IP.
- Participated as a delegate at the India International Science Festival 2023 from 17th to 20th January 2024, organized by the Department of Science and Technology (DST) in the Women Scientist and Entrepreneurs Conclave at DBT THSTI – RCB Campus, NCR Biotech Science Cluster, Faridabad, Haryana.
- Conducted a two-day workshop on herbal floor cleaner for B.Sc II year students on 25th and 26th April 2023 at the Department of Chemistry, L.A.D and S.R.P College for Women, Shankar Nagar, Nagpur.
- Invited as a guest speaker for a credit course program designed for Ph.D. students to deliver a lecture on "Fellowships and Funding Opportunities for Research Scholars" on 28th February 2023 at the Department of Cosmetic Technology, L.A.D and S.R.P College for Women, Seminary Hills, Nagpur.
- Invited as a speaker at the Women Science Congress held on 5th January 2023 during the 108th Indian Science Congress to share experiences as a beneficiary of the Women Scientist Scheme at Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur, Maharashtra.
- Conducted a three-day workshop on herbal floor cleaner for B.Sc II year students on 11th, 12th, and 13th April 2022 at the Department of Chemistry, L.A.D and S.R.P College for Women, Shankar Nagar, Nagpur.
- Conducted an online webinar as a guest lecturer on "Research and Funding Opportunities for Faculty Development Programme" on 24th December 2021 at Swargiya Jagganath Jattewar Shikshan Sansthan's Institute of Design Education and Architecture Studies, Nagpur.

- Conducted an online webinar on "Makeup and Styling" included in the Master's Degree Syllabus of Fashion Designing as a curriculum activity at Sardar Patel Mahavidyalaya, Chandrapur, on 29th July 2021.
- Delivered a lecture on "Women Empowerment" as Guest of Honor on International Women's Day on 8th March 2019 at Gondia Education Society's M.B. Patel College, Salekasa, Gondia.
- Conducted a workshop on "Makeup and Styling" included in the Master's Degree Syllabus of Fashion Designing as a curriculum activity at Sardar Patel Mahavidyalaya, Chandrapur, on 19th October 2018.
- Conducted a workshop on herbal floor cleaner and detergent powder at the NSS Camp on 8th January 2018 at Prin. Arunrao Kalode Mahavidyalaya, Nagpur.
- Conducted a workshop on herbal floor cleaner, detergent powder, and shampoo on 8th March 2017 at Porwal College, Kamptee.
- Delivered a guest lecture at Dr. Annasaheb G.D. Bendale Mahila Mahavidyalaya, Jalgaon, on 30th September 2016 for students of the B.Voc degree program granted by UGC.
- Served as a subject expert in Beauty Therapy for B.Voc courses granted by UGC at Dr. Annasaheb G.D. Bendale Mahila Mahavidyalaya during a Selection Committee Meeting held on 30th September 2016.
- Appointed as the main trainer/faculty for beauty courses and as Center Development Officer and Coordinator for Pradhan Mantri Kaushalya Vikas Yojna under the National Skill Development Corporation in Nagpur in October 2014.
- Worked as the main trainer of Pradhan Mantri Kaushal Vikas Yojna for Assistant Beautician, training students and conducting online assessments.
- Conducted Training of Trainers for beauticians.

### **DETAILS OF ORIENTATION COURSES, WORKSHOPS, SUMMER SCHOOLS ATTENDED**

- Attended the Faculty Induction Programme and a five-day Faculty Development Programme on student-centric methodology and interactive teaching strategies using technological tools from 9th to 13th October 2023.
- Attended a Short Term Training Programme on Interdisciplinary Research Methodology, Application of ICT, and Innovations from 22nd to 27th June 2020, organized by the Department of Humanities and Social Sciences, VNIT, Nagpur.



- Completed the Graduation of Women Startup Programme 3.0 MOOC on Swayam Platform and Launch Pad, getting selected for incubation at IIM NSRCEL Bangalore and InFed from 1st March to September 2021.
- Completed the Development Programme for Self Employment (DPSE) conducted by Maharashtra Centre for Entrepreneurship Development from 21st to 28th January 2021.
- Completed an online training program on agarbatti, dhoopbatti, and perfumery from Fragrance and Flavour Development Center Kannauj from 30th June to 2nd July 2020.
- Completed an online training program on aromatherapy, essential oil, and perfumery from Fragrance and Flavour Development Center Kannauj from 5th to 7th November 2020.
- Successfully completed the World Intellectual Property Organization (WIPO) distance learning General Course on Intellectual Property from May 11 to July 6, 2020.
- Completed a Short Term Training Programme at VNIT Nagpur online from 22nd to 27th June 2020.
- Attended IRD 20 Impactful Research Design and Funding Resources Workshop organized by Research for Resurgence Foundation (RFRF) and National Assessment and Accreditation Council on 3rd and 4th February 2020 at Vanamati, Nagpur.
- Completed 15 days of Yog Shikshak training of Patanjali Yog Samiti of Patanjali Yogpeeth Trust, Haridwar, in October 2016 at Nagpur.
- Completed the Entrepreneurship Awareness Camp of MCED at LAD College in 2016.
- Completed an advanced course in makeup from Iraa Makeup Studio and Academy Nagpur in 2016.
- Completed a one-week workshop on Research Methodology organized by the Department of Humanities and Social Sciences from 2nd to 8th November 2015 at VNIT, Nagpur.
- Completed the Capsule Diploma in Training of Trainer in May 2015 from Sangeeta Chauhan Institute of Hair and Beauty, from Exclusive Salon and Academy, New Delhi.
- Completed a seven-day Certificate of Proficiency course as a Motivational Speaker in 2015 at Mahila Mahavidyalaya, Nandanvan, and the Institute of Life Mathematics.
- Completed Biofield Imaging Assessment and Research Course as Biofield Viewer at the Center for Biofield Sciences of Aura Testing on 2nd March 2015.
- Completed a Certificate of Excellence/Course in Hair Dressing in 2010 from Belleza, Nagpur.
- Completed a Research Methodology Workshop at ICFAI National College in December 2000.

- Passed MS-CIT in October 2006 with 84%.
- Passed three exams of Maharashtra Rashtrabhasha Sabha, Pune.