




INSTITUTE OF HOME ECONOMICS  
UNIVERSITY OF DELHI



<b>Name</b>	Sonia Chaudhary	<b>Photograph</b>
<b>Designation</b>	Associate Professor	
<b>E-mail</b>	sonia.chaudhary@ihe.du.ac.in	
<b>Educational Qualifications:</b>	BSc (Medical) Botany, Zoology, Chemistry MSc (Biotechnology) CSIR-UGC NET Qualified	
<b>Teaching experience:</b>	18 Years	
<b>Subjects/Papers Taught:</b>	Molecular Biology, Virology, Microbial Genetics, Cell Biology, Recombinant DNA Technology, Principles of Genetics, Food Microbiology and Food Safety	
<b>Research Interest/Specialization</b>	Biotechnology, Research interest is the use of microsatellite markers in studying genetic diversity, Natural Antimicrobial Agents, Testing the antimicrobial efficiency of antimicrobial agents against bacteria, Application of antimicrobial extracts on Fabrics and development of antimicrobial fabrics.	
<b>Research papers (APA format)</b>	<ol style="list-style-type: none"><li>1. Gupta, A K., Chauhan, M., Tandon, S N., <b>Chaudhary, S.</b> (2005) "Genetic diversity and bottle neck studies in the Marwari horse breed". <i>Journal of Genetics</i>, 84(3), 295- 301.</li><li>2. <b>Chaudhary, S.</b>, Nigam, A. (2020). Antimicrobial Fabrics: An Innovation in Textile Technology. <i>Journal of Textile Association of India</i>, 81(4), 204- 213.</li><li>3. <b>Chaudhary, S.</b>, Batham, M. (2021). Antimicrobial activity of cotton fabric (cambric) treated with extract obtained from <i>Cymbopogon</i> (Lemongrass) for controlling <i>Staphylococcus aureus</i> (bacterium). <i>Journal of Textile Association of India</i>, 81(5), 253-263.</li><li>4. <b>Chaudhary, S.</b> (2021) Study on <i>Arachis hypogaea</i> shell extract for controlling the growth of <i>Escherichia coli</i> on cotton fabric. <i>Journal of Textile Association of India</i>, 81(5), 343-350.</li><li>5. <b>Chaudhary S</b>, Batham M (2021)"To study the effect of antibacterial finish obtained from <i>Cymbopogon</i> (Lemongrass) against <i>E. coli</i> on cotton fabric (Cambric)". <i>Journal of Man-made Textiles in India</i> 49(7), 223-230.</li><li>6. Sen, A., Kapila, R., <b>Chaudhary, S.</b>, Nigam, A.(2021) Biotechnological Applications of Microbial Enzymes to Replace Chemicals in the Textile Industry – A Review. <i>Journal of Textile Association of India</i>, 82(2), 68-73.</li></ol>	

**Any Other:**

- **Worked in following committees in last 18 years:**  
IQAC, Admission and Counselling, Internal Assessment and Attendance, Sports Committee, Purchase Committee, Examination Committee, Annual Day Prize Committee, Placement Committee, NAAC-Infrastructure and Amenities Committee, Central Lab Committee
- Active member in syllabus setting (Semester, CBCS, LOCF, FYUP Schemes)
- Deputy Superintendent of Examination in 2017.
- Staff Council Treasurer
- Staff Association Treasurer
- Screening Committee
- Teacher In charge of Dept Microbiology (2016-2018)

**Awards Received:**

1. Post Graduate Merit Scholarship from DBT.
2. Awarded second prize in poster competition in MSc.( Biotechnology)
3. Qualified the joint CSIR-UGC National Eligibility Test (NET) for the award of Junior Research Fellowship and Lectureship in 2003 December
4. Certificates awarded for attending **Five** Faculty Development Programs conducted by Ministry of Education.

**M.Sc. Dissertations Guided:**

1. “Study on Antibacterial Activity of Cotton Fabric Treated with Lemon Grass Herbal Extract” guided in the year 2016
2. “Development of Iron Rich Frozen Bread using Dehydrated Vegetable Powders” guided in the year 2019.
3. “Development of Biodegradable Packaging Film using Green Banana Peel Flour” guided in the year 2019
4. “To study Anti -microbial effect of Groundnut Shell Extract when applied on cotton fabric” guided in the year 2019.

**Book/Chapter Published:**

• Sunita Aggarwal, **Sonia Chaudhary** “Foodborne diseases Food safety & standards Block-1 (Course4A) The National Institute of Health and Family Welfare (NIHFW); 2013  
“Food Borne Diseases” Title of Unit “Food Safety and Standards” For distant Learning Program conducted by National Institute of Health and Family Welfare.

**Association with Professional Societies**

Lifetime Member of Association of Microbiologists of India