

KOMAL MAKHIJANI

**Address:**

H.No 372/10,
Opp Model Girls School,
Bapu Nagar, Sunder Vilas,
Ajmer (Rajasthan)

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8290806292

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PERSONAL PROFILE

Father's Name: Mr.

Prakash Makhijani

Date of Birth: 28.12.1989

Marital Status: UnMarried

Nationality: Indian

SKILLS

- Teamplayer
- Adaptability
- Creativity
- Punctuality
- Integrity
- Good organizing skills
- Good communication skills
- Leadership

CAREER OBJECTIVE

Aspiring a challenging position in an esteemed organization that will offer me an opportunity to nurture my skills and talents to give positive fruitful outcomes.

ACADEMIC BACKGROUND

- **2017 –Ph. D** from JECRC University, Jaipur (Rajasthan).
Title: “Conversion of Non-Biodegradable Plastics to Biodegradables Using Pectin and Guar gum as Green Additives”
- **2012 - Master of Biotechnology** from St Lachoo College of Science and Technology, Jai Narain Vyas University, Jodhpur (RAJ) with **78%** marks
- **2010 - Bachelor of Biotechnology** from Ajmer Institute of Technology, University of Rajasthan with **76%** marks
- **2007 - Senior Secondary School** Sophia School, CBSE, Delhi with **82%** marks.
- **2005 - Secondary School** from Sophia School, CBSE, Delhi with **85%** marks.

AREAS OF INTEREST

- Natural Product Isolation
- Biopolymers
- Scientific writing
- Quality control
- Bioresources for Sustainable Livelihoods

RESEARCH PROJECT

In this study, biodegradability of Low Density Polyethylene (LDPE), blended with pectin and guar gum was investigated. Samples with different proportions of additives were prepared by with LDPE using a two roll mill followed by compression moulding. The effect of additive content on the mechanical properties of the blends was analyzed using ASTM standards. Soil burial was used as a test method for 6 months and the rate of biodegradation was determined in terms of weight loss, change in mechanical properties of the blends and changes in surface morphology.

LANGUAGES KNOWN

- English
- Hindi
- Sindhi

LINKEDIN PROFILE

<https://in.linkedin.com/in/dr-komal-makhijani-059b1835>



REFERENCES

Dr. S.K Sharma

Professor and Head,
Department of Chemistry,
JECRC University, Jaipur
sk.sharmaa@outlook.com

Dr. Ashish Bhatnagar

Professor and Head,
Department of Microbiology,
MDS University, Ajmer, Raj.
bhatnagarashis@gmail.com

SEMINARS / CONFERENCES ATTENDED

- Oral presentation on "Poultry litter as fertilizer replacement for Cultivation of Algae" at National Conference on Recent Advances In Agriculture, Food Tech & Human Health held on 5-6 November, 2019 organized by Sam Higginbottom University of Agriculture, Technology and Sciences, Prayagraj.
- Oral Presentation on "*Study on the Effect of Blending on Properties of Polymers*" at The 5th Asia-Oceania Conference on Green and Sustainable Chemistry, from 15-17 January 2015, at India Habitat Centre, New Delhi, India.

TECHNICAL SKILLS

Computer Proficiency

- Familiar with various softwares like Mendeley and ChemDraw
- Microsoft office programs like Word, Excel, Powerpoint
- Search engines like Sci Finder, Google Scholar, PubMed

Other skills

- Natural Products isolation
- Chromatographic techniques like TLC, Column Chromatography
- FTIR and SEM
- Extraction techniques
- Instrument handling

EXTRA CURRICULAR ACTIVITIES

- Participated and won sports competitions in school and college (Volleyball and Badminton)
- Participated in dance competitions for CBSE school competitions
- Participated and Won many salad making in for CBSE school competitions
- Voracious reader and orator
- Interested in travelling

ADDITIONAL INFORMATION

- GATE SCORE 2012- 94%tile
- College Topper in B. Sc (1st, 2nd & 3rd Year)
- Secured 3rd Position in University during M. Sc
- Currently working as a Research Associate at Institute of Bioresources and Sustainable Development, Shillong Node, a DBT funded Institute.
- Currently pursuing Diploma in Food Science and Technology from IGMPI, New Delhi through distance mode.