

The image features a hand-drawn title on a piece of textured, off-white paper. The text is written in a white, bold, sans-serif font with a slightly irregular, hand-painted appearance. The background consists of several horizontal, overlapping brushstrokes in various shades of blue and teal, creating a layered, artistic effect. The text is centered and reads: "BOTANY RESEARCH GROUP: MOLECULAR BIOLOGY".

**BOTANY RESEARCH
GROUP:
MOLECULAR BIOLOGY**

GROUP MEMBERS

Dr. Ambreen Khadija Alvi (Assistant Professor, Botany)

Dr. Areej Javaid (Assistant Professor, Botany)

- ▶ Study molecular basis of plant life; particularly the processes by which the information encoded in the genome is manifested as structures, processes and behaviours
- ▶ Working on Marker Assisted Selection of genes related to stress tolerance, disease resistance and improvement of yield in various crops
- ▶ Other linked activities include Bioinformatic studies and integrated research in Plant Biotechnology such as Aquaponic cultivation of vegetables
- ▶ Research facilities for PCR and gel electrophoresis and gel documentation are available as well as autoclave and laminar air flow cabinet for experiments requiring sterilized conditions