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Document Title : تقييم السمية الوراثية لمستخلص أوراق نبات الحرمل باستخدام اختبار طفرات العوز الغذائي في خميرة الخباز
تقييم السمية الوراثية لمستخلص أوراق نبات الحرمل باستخدام اختبار طفرات العوز الغذائي في خميرة الخباز

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Abstract : Dense cell suspensions of *Saccharomyces cerevisiae* were treated With elevated concentrations of aqueous extracts of the wild plant *Rhazya stricta* leaves .Samples were taken at regular intervals in each treatment and assayed for survival percentage and auxotrophic mutant . It was found that the extract has potent lethal and mutagenic activities.Survival percentage decreased as concentration or time of exposure increased .Frequency of auxotrophic mutants increased with increase in concentration or exposure time . Most auxotrophic mutants were amino acid requiring mutants ,less abundant were the nitrogen bases requiring ones and come last the vitamins requiring mutants .

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