

## Development of Process and Value Added Products from Tropical/Subtropical Fruit - Pomegranate (*Punica Granatum L*)

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Pomegranate popularly known as elixir of life and fruit of paradise owing to its medicinal /therapeutic values that support healthy diet. Recent medicinal and nutraceutical studies on pomegranate suggested that the antioxidant properties of pomegranate juice are far outstripped than all the tested fruit juices igniting the international interest in it specifically claiming it as super food. The fruit is suitable for diverse topography in agro climatic conditions of arid and semi arid regions and is in great demand from middle-east countries. In this study, two wine grape cultivars (*Vitis vinifera*) like cabernet sauvignon and sauvignon blanc and three pomegranate cultivars (*Punica granatum*) like ganesh, arakta and kesar were selected for wine production and wine analysis. The Biochemical analysis of the so prepared wines was done to know the parameters like pH, titrable acidity, ethonol per cent, volatile acidity, free SO<sub>2</sub>, total SO<sub>2</sub>, reducing sugar and phenol content. The study indicated that, wine prepared from ganesh variety was superior over that of kesar and arakta. The sensory evaluation indicated that, the quality of Pomegranate wine was on-par with grape wine. The protocols and process developed for home wine making from pomegranate could be explored for the production on commercial scale and could be used as an alternate fruit for future wine industry. Apart from this, value added products from pomegranate are also developed in lab scale like juice, jelly and anar-rub, anardhana, rind powder, pomegranate vermouth. The protocols and processes were developed for these pomegranate value added products. These products could be explored for the production on commercial scale. This study was carried out at College of Agriculture, Vijayapura campus, University of Agricultural Sciences, Dharwad, Karnataka, India.

### Biography:

Dr. Ashokraj Bapugouda Patil hails from Vijayapura District of Karnataka in India and was born on 1<sup>st</sup> of October, 1956. He was awarded B.Sc. (Agri) in 1977, M. Sc. (Agri) in Agriculture Microbiology in 1980 both from UAS Bangalore and Ph.D. in Agriculture (Agriculture Chemistry and Microbiology) from St. Petersburg State Agrarian University, St. Petersburg, Russia in 1992 and further obtained Post Graduate Diploma in Human Resource Management (PGDHRM) in 2012, Post Graduate Diploma in Higher Education (PGDHE) in 2013 and PG diploma in Mass Communication and Journalism in 2014 Karnataka State Open University (KSOU) Mysore, Karnataka, India. To his credit he has published 25 research papers, 78 popular articles, authored 9 books and edited 14 books published by UHS Bagalkot and UAS, Dharwad. He has guided 15 PG Students.