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suffering of rural community on account of climate change. This is more so because rural community is the largest votebank not only in India but also in the world. The government is offering minimum support price even if the yield is substandard. Icrisat Hyderabad is occupied with developing new crop patterns which are useful for the dryland areas. The warehousing facilities are also being developed to build buffer stock to be use in times of scarcity of food grains due to weather change. Similarly government is also having a very flexible import and export policy regarding cereals, sugar and vegetable products so that the common man does not face much of the heat on account of climate change.

It is imperative that it is responsibility of everyone from common man, NGO's and governments around the world to combat the menace of climate change or otherwise it will spell doom and disaster for the global economy as a hole and no country will remain unaffected. Hunger and disease born out of climate change can not be compensated by the materialistic possessions.

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## MULTIVARIABLE ANALOGUE OF AGRAWAL'S POLYNOMIALS DEFINED THROUGH GENERATING FUNCTION

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#### ABSTRACT

In the present paper, motivated by earlier work of the authors, (Jnanabha 45 (2015), 95-102 and Jnanabha, 47 (1) June 2017, 93-102) on multivariable analogue of a class of polynomials of Chandel and Chandel (Rev. Tec. Ing. Univ. Zulia, 7(1) (1984), 63-67), we introduce and study multivariable analogue of Agrawal's polynomials (Indian J. Math. 17 (1977), 133-139) Interesting special cases are also discussed in details.

**2010 Mathematical Subject Classification :**  
**33C50**

**Keywords :** Multivariable Analogue, Agrawal's polynomials, Panda's polynomials, Chandel and Chandel polynomials Chandel and Sehgal Multivariable analogue.

#### 1. Introduction.

Agrawal [1] introduced the polynomials defined by :

$$(1.1) \quad (1 - p_1 t)^{-1} \exp \left[ - \frac{r' x}{(1 - p_1 t)} \right] = \sum_{n=0}^{\infty} f_n(x, p, q, r) t^n$$