



The Scientific Temper

VOL.-IV & V, 2013-2014

In This Issue

EVALUATION OF SHELF LIFE OF LIQUID AND CARRIER BASED INOCULANTS OF *MESORHIZOBIUM* SP. AND *PSEUDOMONAS* SP. UNDER DIFFERENT STORAGE CONDITIONS : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R. K. (P.G.) College, Shamli - 247 776 (U.P.). E-mail rastogiakumar62@gmail.com, pp. 1-4

EFFECT OF PESTICIDES ON ENZYMIC ACTIVITIES AND NITROGEN MINERALIZATION IN SOILS : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R. K. (P.G.) College, Shamli - 247 776 (U.P.). E-mail : rastogiakumar62@gmail.com, pp. 9-12.

EFFECT OF RHIZOBIUM INOCULATION ON SEED VIGOUR IN CHICK PEA (*CICER ARIETIUM* L.) : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.). E-mail rastogiakumar62@gmail.com, pp. 9-12.

EFFECT OF SELENIUM ON DRY MATTER YIELD, CHEMICAL COMPOSITION AND NUTRIENT UPTAKE BY BERSEEM (*TRIFOLIUM ALEXANDRINUM*) IN RELATION TO ITS INTERACTION WITH PHOSPHORUS : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K.(P.G.) College, Shamli - 247 776 (U.P.). E-mail rastogiakumar62@gmail.com, pp. 13-17.

HEAVY METAL AND MICROBIAL CONTAMINATION IN WESTERN UTTAR PRADESH : Chandra Bali Patel¹ and Arvind Kumar^{2*}, ¹Department of Botany, R. K. (P. G.) College Shamli- 247 776 (U.P.). ²Department of Agricultural Chemistry, R. K. (P. G.) College, Shamli - 247 776 (U.P.). *Corresponding author : E-mail address : rastogiakumar62@gmail.com, pp. 19-21

STUDIES OF ANTAGONISTIC EFFECT OF SEED MICRO-FLORA ON RHIZOBIUM : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 23-25.

EFFECT OF RHIZOSPHERIC BACTERIA AND RHIZOBIUM INOCULATION ON NODULATION, GROWTH AND YIELD OF CHICKPEA (*CICER ARIETINUM* L.) : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 27-30.

DEHYDROGENASE ENZYME ACTIVITY OF NORMAL, SALINE AND ALKALI SOILS UNDER DIFFERENT CROPPING SYSTEMS : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 31-34.

STATUS AND FORMS OF SELENIUM IN THE SOILS OF MUZAFFARNAGAR DISTRICT OF UTTAR PRADESH UNDER DIFFERENT FODDER CROPS : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 35-37.

EFFECT OF BIOFERTILIZERS AND GROWTH REGULATOR ON GROWTH AND YIELD OF OKRA : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 39-42.

AMINO ACID SPECTRA OF WHEAT GRAIN AS INFLUENCED BY DIFFERENT FERTILIZER LEVELS : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 43-44.

SOME METHODS FOR QUALITY TESTING OF CYANOBACTERIAL BIOFERTILIZERS, Arvind Kumar^{*1} and R. Chandra², ¹Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.). ²Department of Soil Science, College of Agriculture, G.B. Pant Univ. of Agricul. and Tech., Pantnagar-263 145 (U.K.). *Corresponding author : E-mail address : rastogiakumar62@gmail.com, pp. 45-47.

EFFECT OF POST EMERGENCE OF HERBICIDES ON WEEDS, NODULATION, SOIL PROPERTIES AND YIELD ATTRIBUTES OF BLACK GRAM [*VIGNA MUNGO* (L.)] HEPPER : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 49-56.

THE EFFECT OF SELENIUM WITH DIFFERENT LEVELS OF ORGANIC MATTER ADDITION ON DRY MATTER YIELD AND CONTENT AND UPTAKE OF SELENIUM BY LOBIA (*VIGNA UNGUICULATA* L.) : Arvind Kumar, Department of Ag. Chemistry and Soil Science, R.K. (P.G.) College, Shamli - 247 776 (U.P.), E-mail : rastogiakumar62@gmail.com, pp. 57-61.