

(54) Title of the invention : ECONOMIC IMPACT OF AIR POLLUTION AND NEED FOR ENVIRONMENT MANAGEMENT IN GAJRAULA CITY

<p>(51) International classification :G01N0015060000, A23L0033100000, A61P0035000000, C05D0001000000, G06Q0050260000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant :</p> <p>1)Dr. Ila Arora Address of Applicant :Assistant Professor, School of Business Management, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p>2)Dr. Sarika Arora</p> <p>3)Dr. Atul Kumar Chauhan</p> <p>4)Dr. Rajan Singh</p> <p>5)Dr. Amanpreet Kaur</p> <p>6)Dr. Richa Saxena Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Dr. Ila Arora Address of Applicant :Assistant Professor, School of Business Management, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p>2)Dr. Sarika Arora Address of Applicant :Associate Professor, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p>3)Dr. Atul Kumar Chauhan Address of Applicant :Junior Research Fellow, Uttar Pradesh Pollution Control Board, Firozabad, Uttar Pradesh - 283203 Firozabad -----</p> <p>4)Dr. Rajan Singh Address of Applicant :Assistant Professor, Department of Mathematics, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p>5)Dr. Amanpreet Kaur Address of Applicant :Assistant Professor, Department of Chemistry, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p> <p>6)Dr. Richa Saxena Address of Applicant :Assistant Professor, Department of Physics, School of Sciences, IFTM University, Moradabad, Uttar Pradesh - 244001 Moradabad -----</p>
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(57) Abstract :

The present invention relates to India's economic growth over the past few years has raised the prospect of eliminating extensive poverty within a generation. PM2.5 levels have remained high over the last five years. Industrial air pollution has emerged as an acute problem in recent years because of it there are detrimental effects on human health, economic and living conditions of the people. The monthly mean concentration of PM10 (RSPM) ranged between 32-386ugm-2, which was higher than the permissible limit of 100ugm-1 as per National Ambient Air Quality Standards. The significant correlation was found between metals Zn-Pb (r =0.998), Ni-Cd (r =0.998), Fe-Cu (r =0.997) and Ni-Cd (r =0.995) and non-significant correlation between Zn-Al (r =0.502), Pb-Al (r =0.476) and Fe-Ni (r = 0.450). This study shows that the large number of industries and high density of vehicles are responsible for enhanced concentration of heavy metals in the Area, Gajraula.

No. of Pages : 12 No. of Claims : 2