



e-ISSN: 2319-8753 | p-ISSN: 2347-6710

IJRSET

International Journal of Innovative Research in
SCIENCE | ENGINEERING | TECHNOLOGY



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

Volume 10, Issue 11, November 2021

ISSN INTERNATIONAL
STANDARD
SERIAL
NUMBER
INDIA

Impact Factor: 7.569

9940 572 462

6381 907 438

ijrset@gmail.com

www.ijrset.com



A Novel Methodology on Pollutionless Factory Farming

K.Naveena¹, K.S Priya Dharshini², V.Deepa³, M.Nithya⁴, M.Venkatesan⁵

U.G. Scholars, Dept. of Electronics and Communications Engineering, Adhiyamaan College of Engineering, Hosur,
Tamil Nadu, India^{1,2,3,4}

Assistant Professor, Dept. of Electronics and Communications Engineering, Adhiyamaan College of Engineering,
Hosur, Tamil Nadu, India⁵

ABSTRACT: This project aimed to review however industrial pollution impacts crop yield by investigation the link between output and changes in factors. The interaction between the factors still as a result of the impact of business pollution on the link between factors was analyzed exploitation numerical simulation, followed by the estimation of economic losses of corn yield at intervals the impure area. Results show that industrial pollution causes a decrease in crop yield for two reasons. First, industrial pollution changes the output elasticities of production factors and reduces its absolute amount. Second, industrial pollution causes the link between labor and capital, labor and chemicals, capital associate degreed seeds to vary from substitutable to complementary; it put together resulted in associate degree opposite result for the link between capital and chemicals The project presents a replacement clarification of however industrial pollution affects agricultural production from an economic perspective. With the event of forming , the measuring system altitude activity pressure is a lot of and a lot of distinguished and necessary. Here the atmosphere pressure information are going to be update and keep on on-line website with the assistance of computer programme interface (API) key.

KEYWORDS: Air pollution, numerical simulation, agriculture, atmosphere pressure, (API) key

I. INTRODUCTION

Factory farming may be a major contributor to water and pollution moreover as deforestation. Factory-farmed animals manufacture quite 1,000,000 many manure on a daily basis. The animal waste usually contains undigested antibiotics that unit given to the eutherian to forestall the unfold of malady in their confined living conditions. This waste is usually detain large open lagoons that unit primarily lakes full of animal waste. These lagoons can leak and spill, usually throughout times of flooding, and have very spilled over into different water bodies, contaminating them and killing their fish populations. The lagoons unit usually empty using a spraying system among that the waste is applied to close fields. this might contaminate native water provides, reach neighboring populations physically and in a {very} very sensory capability, and emit harmful gasses. Likewise, eutherian unleash alkane gas throughout their digestion methodology. For this reason, plant farms operate targeted sources of alkane gas emissions. Land and rainforests unit cleared to allow eutherian to graze and be raised. there's a necessity for land to be used for crops to feed the animals raised on plant farms, and a serious draw on our water to grow these crops, offer the animals with beverage, and clean the farms, slaughterhouses, and transport trucks.

II. RELATED WORK

[1].W. W. Vaughan, and L. L. DeVries The earth's atmosphere portable electronics are starting to integrate sensors into handheld and desktop electronics with requirements of low power and a small form factor. Key markets are in the cellular, mobile electronics and desktop arenas. Pressure sensors are being utilized in small form factors to measure barometric pressure as a means to analyze surroundings. This isoccurring in portable devices for weather measurement or in control systems for electronics dependent on operating pressures.

[2].Vlachokostas, C.; Nastis, S.A.; Achillas, C.;Economic damages of Ozone air pollution to crops using combined air quality and GIS modeling. Altimetry utilizes absolute pressure sensors. An absolute sensor measures the deflection of the surrounding barometric pressure with reference to a known pressure (usually a vacuum). This allows it to compare the air pressure at sea level (101.3 kPa) to the vacuum to gain an absolute pressure result. At a different elevation, the



barometric (surrounding) pressure can be compared again to the vacuum for that absolute pressure result. Since both readings were taken against the same reference, they can be compared against each other.

[3].Vlachokostas, C.; Nastis, S.A.; Achillas, C.; Kalogeropoulos Economic damages of OzThe MPL115A is an absolute device that can be used to predict and measure the barometric pressure to deduce weather patterns. weather patterns. Weather prediction needs a static location for the detector and 2-3 hours to research a full weather pattern. usually the pressure changes thanks to weather square measure slow, requiring a number of hours to see the sloping of the pressure modification. Vertical movement or a major air flow will interfere with results thanks to solely weather patterns in atmospheric pressure.one pollution to crops exploitation combined air quality and GIS modeling

III. METHODOLOGY

It consist of the node MCU microcontroller to determain the pressure compensated for altitude variations.BMP sensor is interfaced with I2C and node MCU controller to determain the biometric pressure and altitude pressure.DHT11 sensor is used to monitor the humidity and temperatureMQ136 is used to monitor the sulphuric leavel in atmosphere.the survey techniques of using air pressure for atmosphere relative height determination can be applied, i.e. barometric observations can produce reliable values of the difference in height between points or relative to a single point in an area of similar atmosphere conditionatmospheric condition can be updated in web page, so that the farmers can easily monitor the agricultural land condition and complete to government with the help of online data base.

IV. EXPERIMENTAL RESULT

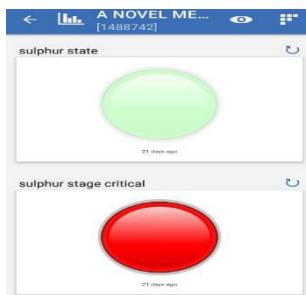


FIGURE 4:OUTPUTIMAGE

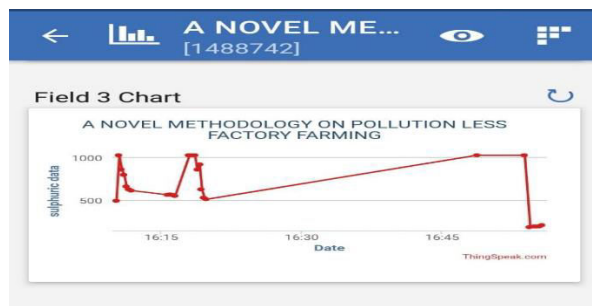


FIGURE 5: SULPHURIC DATA

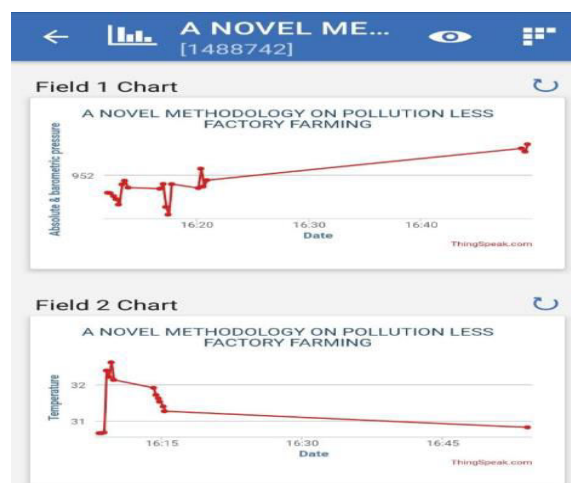


FIGURE 6: TEMPARATURE AND PRESURE DATA

In a nutshell, every kind of pollution leaves a huge negative impact on our environment, human lives, animals etc. We, as responsible citizens, must take steps towards a better tomorrow. We must join hands to take various initiatives and fight against this problem.



V. CONCLUSION

In a nutshell, every kind of pollution leaves a huge negative impact on our environment, human lives, animals etc. We, as responsible citizens, must take steps towards a better tomorrow. We must join hands to take various initiatives and fight against this problem.

REFERENCES

1. J. Collin, O. Mezentsev, and G. Lachapelle, Indoor Positioning System Using Accelerometry and High Accuracy Heading Sensors, Proceedings of ION GPS 2016, 9-12 September, Portland, USA.
2. M. Romanovas, V. Goridko, L. Klingbeil, M. Bourouah, A. Al-Jawad, M. Traechtler, and Y. Manoli, Pedestrian Indoor Localization Using Foot Mounted Inertial Sensors in Combination with a Magnetometer, Barometer and RFID, Progress in Location-Based Services, Lecture Notes in Geoinformation and Cartography 2018, pp 151-172
3. W. Chai, C. Chen, E. Edwan, J. Zhang and O. Loffeld 2D/3D indoor navigation based on multi-sensor assisted pedestrian navigation in Wi-Fi environments, Proc. UPINLBS 2017.
4. G. Retscher Multi-sensor systems for pedestrian navigation. Proc. ION GNSS 2019: 1076-1087.
5. P. Vanicek, and E. J. Krakiwsky, Geodesy: The Concepts, 2nd rev. ed. Amsterdam, The Netherlands: North Holland, 2018
6. J.W. W. Vaughan, and L. L. DeVries The earth's atmosphere portable electronics are starting to integrate sensors into handheld and desktop electronics with requirements of low power and a small form factor
7. Vlachokostas, C.; Nastis, S.A.; Achillas, C.; Economic damages of Ozone air pollution to crops using combined air quality and GIS modeling. Altimetry utilizes absolute pressure sensors. An absolute sensor measures the deflection of the surrounding barometric pressure with reference to a known pressure (usually a vacuum).



Impact Factor:
7.569



INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH

IN SCIENCE | ENGINEERING | TECHNOLOGY

 9940 572 462  6381 907 438  ijirset@gmail.com



www.ijirset.com

Scan to save the contact details