

Impact of Landuse Change on Hydrology: A Case Study of Gurgaon City

Meenakshi Lohani

*Department of Geography, KM Mayawati Govt. Girls P.G. College,
Badalpur, G.B. Nagar, U.P., India.*

Abstract

Gurgaon City is a satellite town of NCT Delhi and is an important center of trade and commerce in Haryana State. The town has a number of mnc's and mechanical, electrical, textile, electroplating, chemical industries. The rapid urbanization and population growth has resulted in the expansion of city boundaries. To meet with the requirements of the residents over exploitation of resources is done. In this study we deal with the change in hydrological profile. Ground water decline and salinity is the major problem in the district. Ground water is declining at a rate with the range of 0.77m/yr to (Bilaspur) to 1.2 m/yr (Haily Mandi). Perusal of the Estimates reveals overall stage of ground water development in the block is of the order of 209% which has exceeded the available recharge and thus the whole district has been categorized as over exploited. Net annual ground water availability of the district is 20215.12 ham and existing gross ground water draft for all users is 33055.33 ham. It means that the ground water is under stress and the ground water level is declining. There is no scope for further ground water development. Only measures should be taken to reduce on the dependence on ground water and to enhance the ground water resources.

1. Introduction

The ground water levels are declining much faster in the urban settlements. Some areas where poor quality of ground water is reported, needs special attention. Any withdrawal of ground water from aquifers creates empty space, which is refilled during wet season in natural ecological setup. Excessive exploitation of ground water leaves larger spaces, part of which remains unfilled and lead to irreversible decline of ground

20

अनुक्रमणिका

1. मैत्रेयी पुष्पा का उपन्यास 'विजन'	डॉ. सुयमा पाल	05
2. स्त्री की दृष्टि, स्त्री की बात	डॉ. मन्जू चौहान	09
3. पत्रकारिता की ऐतिहासिक पृष्ठभूमि में सम्पादकों की भूमिका	डॉ. कविश्री जायसवाल	13
4. फीजी में हिन्दी का धार्मिक महत्व	शनम खातून	18
5. तहसील स्याना, भूमि उपयोग एवं भूमि उपयोग की प्रवृत्ति	डॉ. जीत सिंह	22
6. बदलते परिवेश में जनसंचार की विभिन्न रूपों में अहम भूमिका	डॉ. राजेश कुमार यादव	28
7. उत्तर वैदिक काल में विकास एवं सामाजिक गतिशीलता	सुमित्रा देवी	32
8. मानव जीवन में विभिन्न अवस्थाओं के लिये उत्तम आहार	प्रियंका	37
9. सूफी सम्प्रदाय का उद्भव एवं विकास	सुदेश कान्त	41
10. विन्य विधान की दृष्टि से पन्त-काव्य का विश्लेषण	डॉ. रमेश चन्द	45
11. बुद्ध का मध्यम मार्ग और सन्त रविदास का काव्य	डॉ. अरूण कुमार	53
12. वर्तमान परिवेश में गांधीवादी चिन्तन की प्रासंगिकता	डॉ. हेमलता सुमन	58
13. डॉ० भीमराव अम्बेडकर का सामाजिक चिन्तन	डॉ. रामाश्रय सिंह	61
14. हिन्दी नाटक की विरासत	डॉ. मिन्तु	66
15. सामाजिक चिन्तन और निराला	डॉ. गीता शर्मा	70
16. लोक साहित्य का शिष्ट साहित्य - एक अध्ययन	डॉ. नीलम शर्मा	78
17. आधुनिक काव्य संग्रह 'इक्षुगन्धा' में नारी संवेदना	चन्दन कुमार	82
18. सामाजिक संरचना और स्त्री की भूमिका	डॉ. कल्पना दूबे	87
19. समकालीन कविता में स्त्री मुक्ति चेतना का स्वरूप	Dr. Naveen C. Singh	90
20. Demographic Determinants of Human Resource Development in the Arabian Peninsula	Kanak Kumar	102
21. Relief Morphometry of Bhagirathi Basin	Dr. Vineeta Singh	107
22. The Problems Of Old Persons In India	Dr. Meenakshi Lohani	113
23. Impact of Climate Change on Water Resources	Mohd. Waqar Raza	116
24. Teacher education in India: Concerning issues for quaqlity enhancement		