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Lorem Ipsum

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ABSTRACTS	ARTICLE INFO
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum.	Article History: <i>Received 00 Jan 2xxx</i> <i>Revised 00 Jan 2xxx</i> <i>Accepted 00 Jan 2xxx</i> <i>Available online 00 Jan 2xxx</i> Keyword: <i>BOD5 keyword,</i> <i>COD keyword,</i> <i>Wastewater.</i>
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1. INTRODUCTION

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2. METHODS

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2.1. Presentation of the wastewater treatment plant

The treatment in this station goes through several phases shown schematically **Figure 1**.

2.2 Wastewater and industrial water purification processes in the station

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Figure 1. Schematic diagram of the physicochemical treatment process in the station of the textile industrial unit.

2.3 Mixing and equalization basin n° 1

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$$\text{NaCl} = W \times E \quad (1)$$

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2.4. Rapid mixing and neutralization basin (physicochemical treatment)

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Figure 2. Photo of mixing and equalization basin N ° 1.



Figure 3. Mixing and neutralization basin N ° 2.

2.5. Final clarification basin

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Figure 6b shows the Nam at est in massa lobortis finibus sit amet sit amet augue. Aenean iaculis, metus vel fringilla feugiat, nisl nisi ullamcorper odio, quis consectetur augue elit vel mauris.



Figure 4. Clarifying flocculator.



Figure 5. Biological basin (aeration basin).



3. RESULTS AND DISCUSSION

3.1. Temperature

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Table 1. The COD and BOD values for the last week of the month (final clarification output).

FINAL CLARIFICATION OUTPUT									
Day N°1		Day N°2		Day N°3		Day N°4		Day N°5	
COD mg/	COD mg/	COD mg/	COD mg/	COD mg/	COD mg/	CO D mg/	COD mg/	COD mg/	COD mg/
130	36	162	44	153	28	160	32	167	39

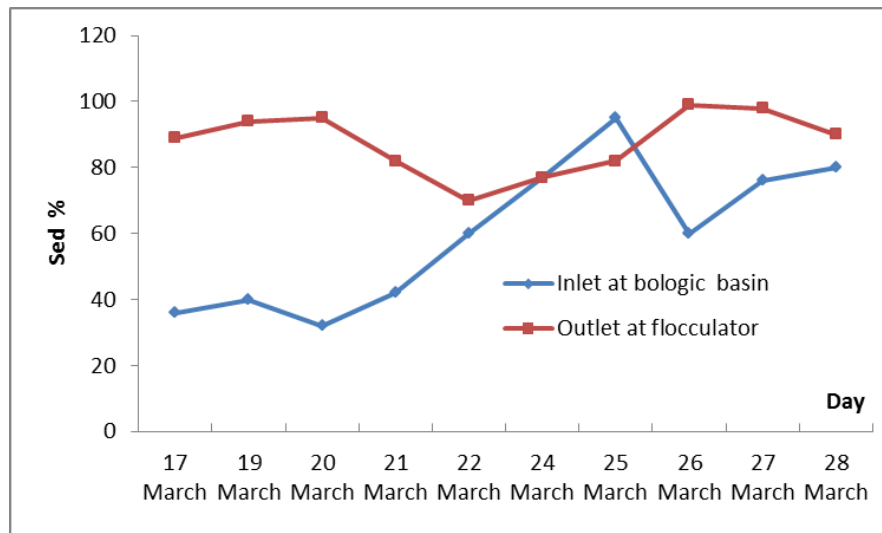


Figure 12. Daily variation in the sedimentation of the sludge at the outlet of the WWTP flocculator.

4. CONCLUSION

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5. ACKNOWLEDGMENT

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6. AUTHORS' NOTE

The authors declare that there is no conflict of interest regarding the publication of this article. Authors confirmed that the paper was free of plagiarism.

7. REFERENCES

- Behera, B., and Sethi, N. (2020). Analysis of household access to drinking water, sanitation, and waste disposal services in urban areas of Nepal. *Utilities Policy*, 62(2020), 100996.
- Belbahloul, M., Abdeljalil, Z., and Abdellah, A. (2014). Comparison of the efficacy of two biofloculants in water treatment. *International Journal of Scientific Engineering and Technology*. 3(6), 734-737.
- Bencheikh, I, Azoulay, K., Mabrouki, J., Hajjaji, S. E., Moufti, A., and Labjar, N. (2021). The use and the performance of chemically treated artichoke leaves for textile industrial effluents treatment. *Chemical Data Collections*, 31(2021), 100597.
- Heba, A., Eman, S. M. (2020). Co-sensitization of mesoporous ZnS with CdS and polyaniline for efficient photocatalytic degradation of anionic and cationic dyes. *Colloid and Interface Science Communications*, 39(2020), 100330.
- Khechekhouche, A., Benhaoua, B., Driss, Z., Attia, M. E. H., and Manokar, M. (2020 A). polluted groundwater treatment in southeastern algeria by solar distillation. *Algerian Journal of Environmental and Sciences*, 6(1).1207-1211.
- Khechekhouche, A., Benhaoua, B., Manokar, M., Sathyamurthy, R., and Driss, Z. (2020). Sand dunes effect on the productivity of a single slope solar distiller. *Heat and Mass Transfer*, 56(4), 1117-1126.
- Khechekhouche, A., Bouchmel, F., Kaddour, Z., Salim, K., and Miloudi, A. (2020 C). Performance of a wastewater treatment plant in south-eastern Algeria. *International journal of Energetica*, 5(2), 47-51.
- Kim, Y. K., Yoo, K., Kim, M. S., Han, I., Lee, M., Kang, B. R., and Park, J. (2019). The capacity of wastewater treatment plants drives bacterial community structure and its assembly. *Scientific Reports*, 9(1), 1-9.
- Sadasivuni, K. K., Panchal, H., Awasthi, A., Israr, M., Essa, F. A., Shanmugan, S., and Khechekhouche, A. (2020). Ground water treatment using solar radiation-vaporization and condensation-techniques by solar desalination system. *International Journal of Ambient Energy*, 1-7 (Accepted Manuscript).
- Stewart, E. J. (2012). Growing unculturable bacteria. *Journal of bacteriology*, 194(16), 4151-4160.