



ESTADO DO RIO DE JANEIRO  
**CÂMARA MUNICIPAL DE MENDES**

GABINETE DA PRESIDÊNCIA

PORTARIA N<sup>o</sup> 20, DE 05 DE MAIO DE 2023.

Dispõe sobre a exoneração que menciona, na Câmara Municipal de Mendes.

O PRESIDENTE DA CÂMARA MUNICIPAL DE MENDES, no uso de suas atribuições legais e regimentais,

RESOLVE

Art. 1<sup>o</sup> - Exonerar, Cíntia Thomaz Cordeiro, ocupante do cargo comissionado de Assessor Parlamentar da Câmara Municipal de Mendes.

Art. 2<sup>o</sup> - Esta portaria entra em vigor na data de sua publicação, todavia, surtindo seus legais efeitos em 05 de maio de 2023.



Fernando Alves Fonseca  
Presidente



1. Introduction

The purpose of this study is to investigate the effects of various factors on the performance of the system. The study is divided into two main parts: a theoretical analysis and an experimental investigation.

The theoretical analysis is based on the principles of fluid mechanics and the theory of heat transfer. It is shown that the performance of the system is highly dependent on the flow velocity and the temperature of the fluid.

2. Methodology

The experimental investigation was carried out using a specially designed test rig. The rig consists of a pump, a pipe, and a heat exchanger. The flow velocity was controlled by a valve, and the temperature of the fluid was measured using a thermocouple.

The results of the experiment show that the performance of the system increases with increasing flow velocity and decreasing temperature. This is in agreement with the theoretical predictions.

