## Cross-Sectional Analysis of Sustainability Activities in the Pharmaceutical Companies

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Abstract: Purpose - The aim of the study is to compare the reported sustainability activities in areas of emission, water management and gender equality, currently undertaken by the seven major pharmaceutical companies. Methodology: The published corporate sustainability activity reports for the year 2017 for seven pharmaceutical companies have been studied. The two main criteria for the inclusion of pharmaceutical companies in this study are that they are globally recognized and active in the field of sustainability reporting. Company's actions and initiatives have been grouped under three categories: (i) Emissions (ii) Water management (iii) Gender Equality in terms of employee workforce. Findings: Based on the sustainability reports, quantification and grading of the companies showed interesting results. Johnson & Johnson and Bayer are leading their activities under emissions and water management categories. The number of activities under emission and water management in case of Eli Lily, Roche, Sanofi, Pfizer and GlaxoSmithKline were 19, 16, 16, 11 and 6 respectively. Johnson & Johnson and Eli Lily are leading in taking the initiatives to curb the problem of emissions as compared with other 5 companies. Under the category of gender equality in terms of employee workforce, Eli Lily is leading the group of sampled companies with 47% of women employee workforce globally followed by Sanofi with 46.2% (42.2% of managers) female employees. It has also been observed that in some of the reports, gender diversification in the workforce has not been mentioned though the total number of employees were mentioned. Conclusion: This study could serve as the informative material for future in-depth industry-specific studies in order to find out the participation of the pharmaceutical companies in the reporting of the sustainability activities especially in reference to emission, water management and gender equality in the workforce. In addition to it, this can be helpful as a reference point for other companies in the pharmaceutical sector who are yet to explore the field of sustainability initiatives and reporting. Due to the limited scope of this study, only seven major players of the pharmaceutical sector who are active in the field of sustainability have been considered.

Keywords: emission, gender equality workforce, pharmaceutical, sustainability, water management

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