

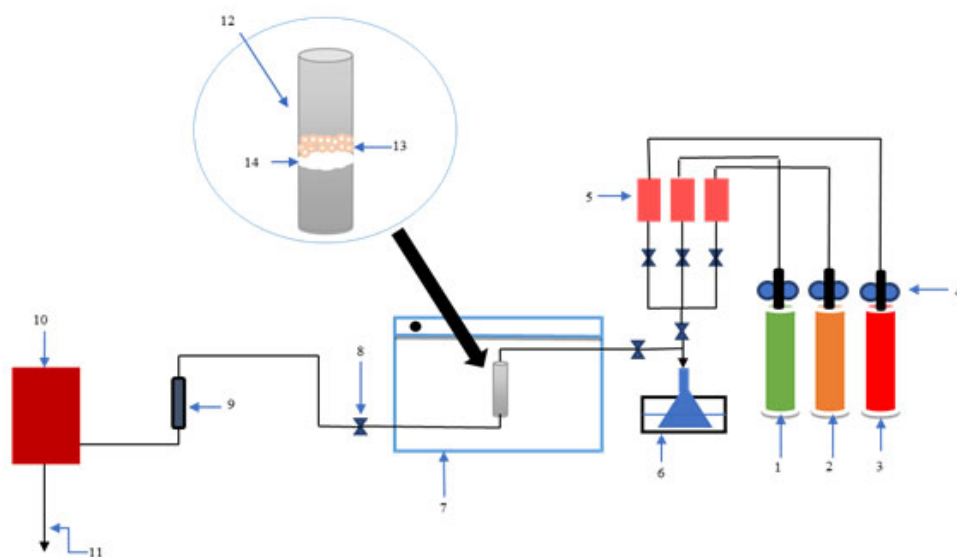
## Supporting Information

# Valorization of Raw and Calcined Chicken Eggshell for Sulfur Dioxide and Hydrogen Sulfide Removal at Low Temperature

 Waseem Ahmad <sup>1</sup>, Sumathi Sethupathi <sup>1,\*</sup>, Yamuna Munusamy <sup>1</sup> and Ramesh Kanthasamy <sup>2</sup>
<sup>1</sup> Faculty of Engineering and Green Technology, Universiti Tunku Abdul Rahman, Jalan Universiti, Bandar Barat, Kampar 31900, Perak, Malaysia; waseemssb@gmail.com (W.A.); yamunam@utar.edu.my (Y.M).

<sup>2</sup> Chemical and Materials Engineering Department, Faculty of Engineering Rabigh, King Abdulaziz University, P.O. Box 344, Rabigh 21911, Saudi Arabia; rsampo@kau.edu.sa (R.K)

\* Correspondence: sumathi@utar.edu.my (S.S.); Tel.: +60-54-688-888; Fax: +60-54-667-449



- |                         |                    |                       |                |
|-------------------------|--------------------|-----------------------|----------------|
| 1. Nitrogen gas.        | 5. Gas flow meters | 9. Silica gel filter  | 13. Adsorbent  |
| 2. Sulfur dioxide gas   | 6. Water bath      | 10. Gas analyzer      | 14. Glass wool |
| 3. Hydrogen sulfide gas | 7. Oven            | 11. Vent              |                |
| 4. Gas regulators       | 8. Valve           | 12. Fixed-bed reactor |                |

**Figure S1.** Schematic diagram of adsorption experimental setup.