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Authors: Najat A. Saliba, Ahmad El Hellani, Edward Honein, Rola Salman, Soha Talih, Joseph Zeaiter, Alan Shihade



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## Surface Chemistry of Electronic Cigarette Electrical Heating Coils: Effects of Metal Type on Propylene Glycol Thermal Decomposition

Najat A. Saliba,<sup>1,a</sup> Ahmad El Hellani,<sup>1,a</sup> Edward Honein,<sup>2</sup> Rola Salman,<sup>3,a</sup> Soha Talih,<sup>3,a</sup> Joseph Zeaiter,<sup>2</sup> and Alan Shihadeh,<sup>3,a</sup>

<sup>1</sup> Department of Chemistry, Faculty of Arts and Science, American University of Beirut

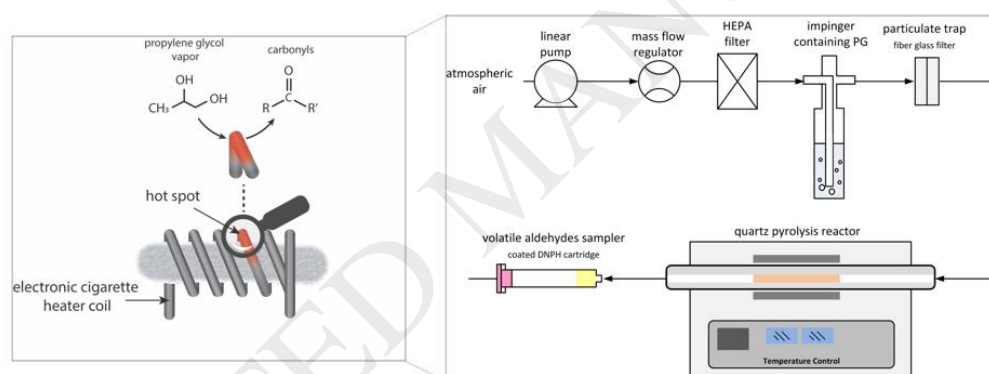
<sup>2</sup> Department of Chemical Engineering, Seman Faculty of Engineering and Architecture, American University of Beirut

<sup>3</sup> Department of Mechanical Engineering, Seman Faculty of Engineering and Architecture, American University of Beirut

<sup>a</sup> Center for the Study of Tobacco Products, Virginia Commonwealth University, Richmond, Virginia, USA

**Corresponding author:** Najat A. Saliba, ns30@aub.edu.lb

Graphical abstract



### Highlights

- ECIG heating filament wires were found to have a strong catalytic effect.
- Carbonyl formation chemistry is catalyzed at temperatures that are well below those expected during “dry puffing”.

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