**Graphical Abstract**

**Electrodeposition of Cu-Zn-Sn precursor layer for PV cells**

Yassine Salhi\*, Sghir Cherrouf and Mohammed Cherkaoui

Corresponding author: y.salhi33@gmail.com\*

Laboratory of Materials, Electrochemistry and Environment, Faculty of Science, Ibn Tofail University, PB 133-14050, Kénitra, Morocco.

Co-authors’ emails:

Sghir Cherrouf: cherrouf.sghir@gmail.com

Cherkaouimohammed: cherkaouimohammed@yahoo.fr

