




Supplementary Material

Hydrothermal Liquefaction for Biochar Production from Finger Millet Waste: Its Valorisation, Process Optimization, and Characterization

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Fig S1: Normal probability curve (a) biochar yield, (b) bulk density, (c) pH, and (d) HHV

Fig S2: Externally studentized residual plots (a) biochar yield, (b) bulk density, (c) pH, and (d) HHV.

Fig. S3 3D response surface and contour plot showing effect of (a) temperature and time. (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on biochar yield.

Fig. S4 3D response surface and contour plot showing effect of (a) temperature and time (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on bulk density.

Fig. S5 3D response surface and contour plot showing effect of (a) temperature and time (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on pH.

Fig. S6 3D response surface and contour plot showing effect of (a) temperature and time (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on HHV.

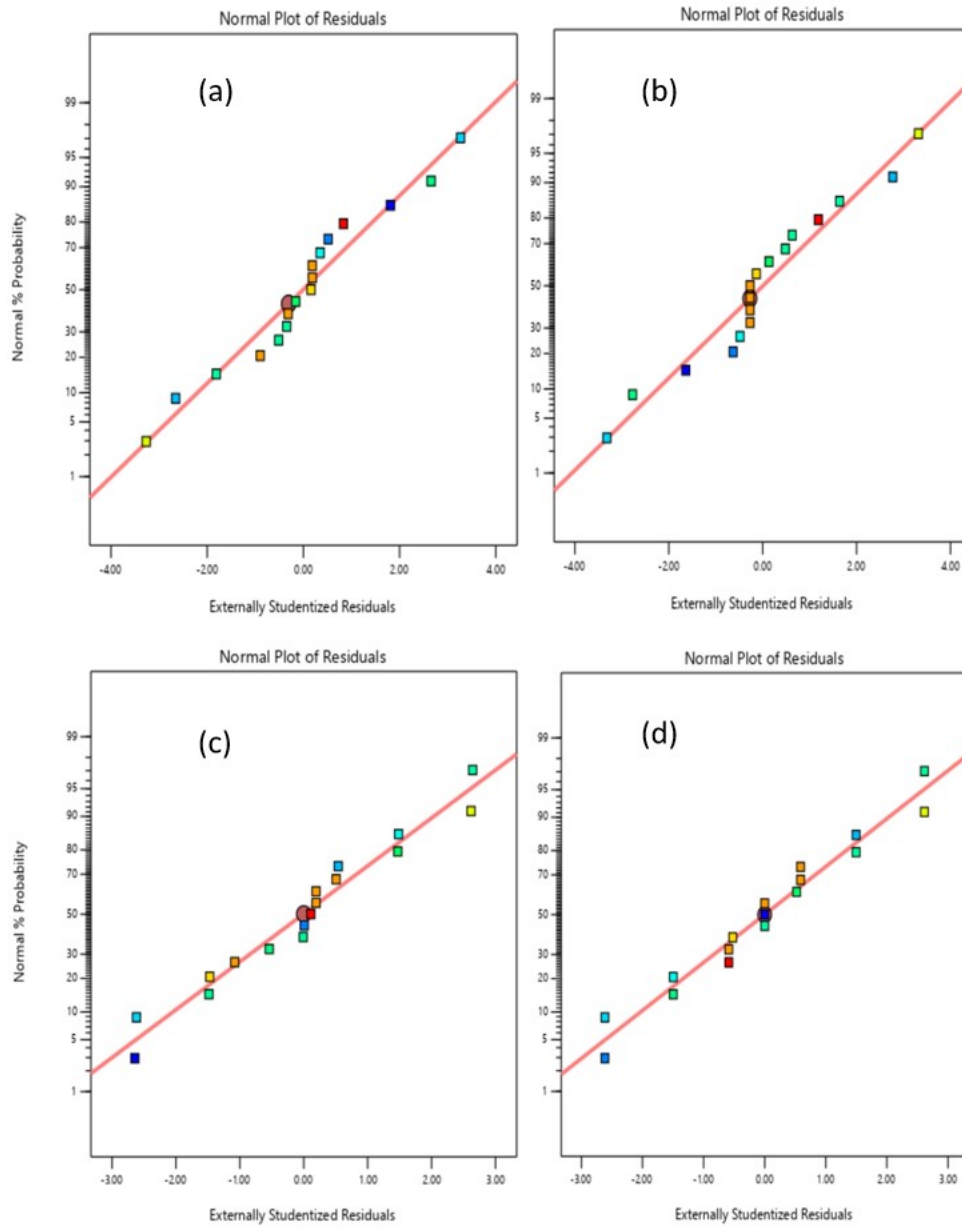


Fig. S1 Normal probability curve (a) biochar yield, (b) bulk density, (c) pH, and (d) HHV

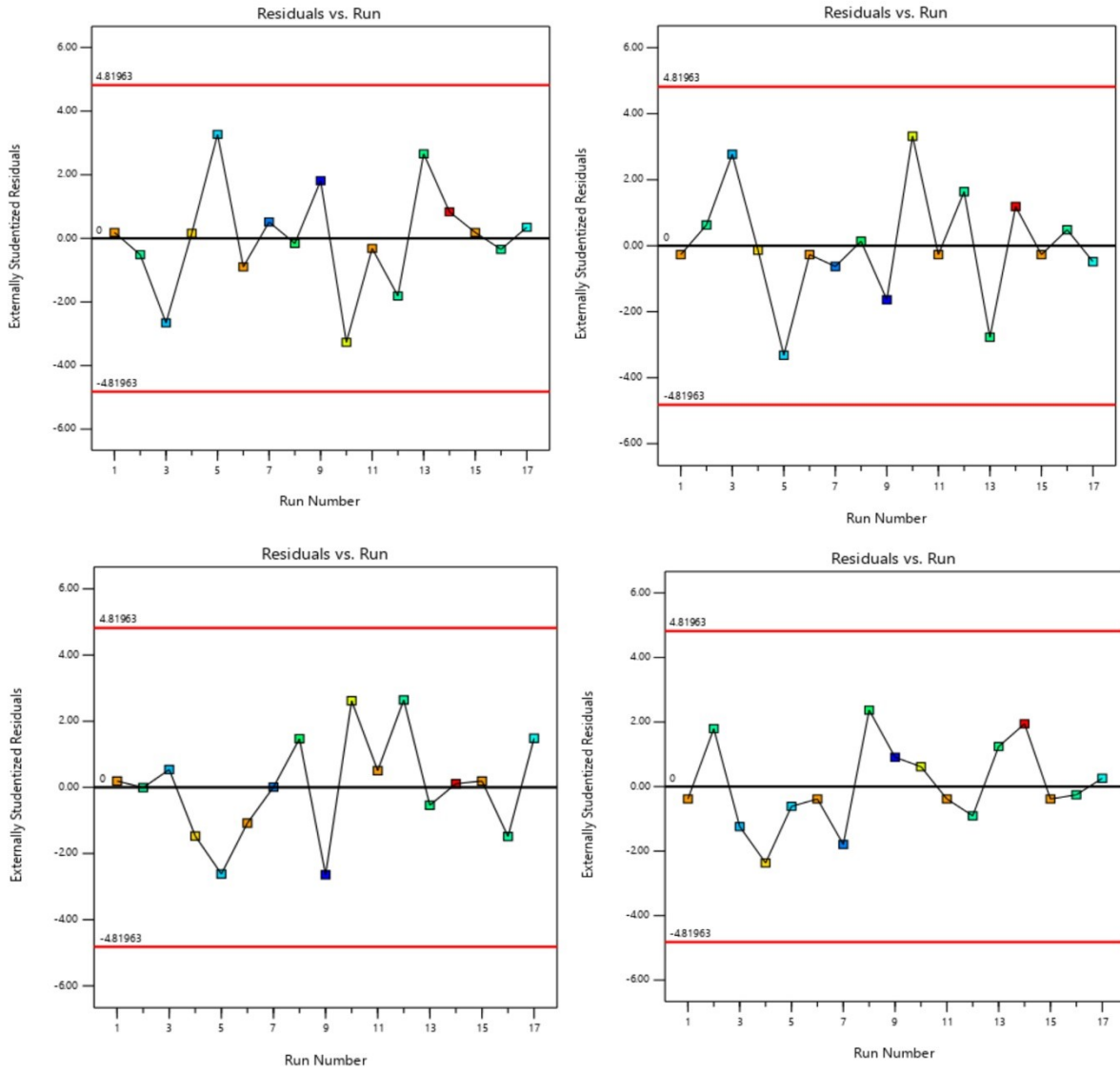


Fig. S2 Externally studentized residual plots (a) biochar yield, (b) bulk density, (c) pH, and (d) HHV.

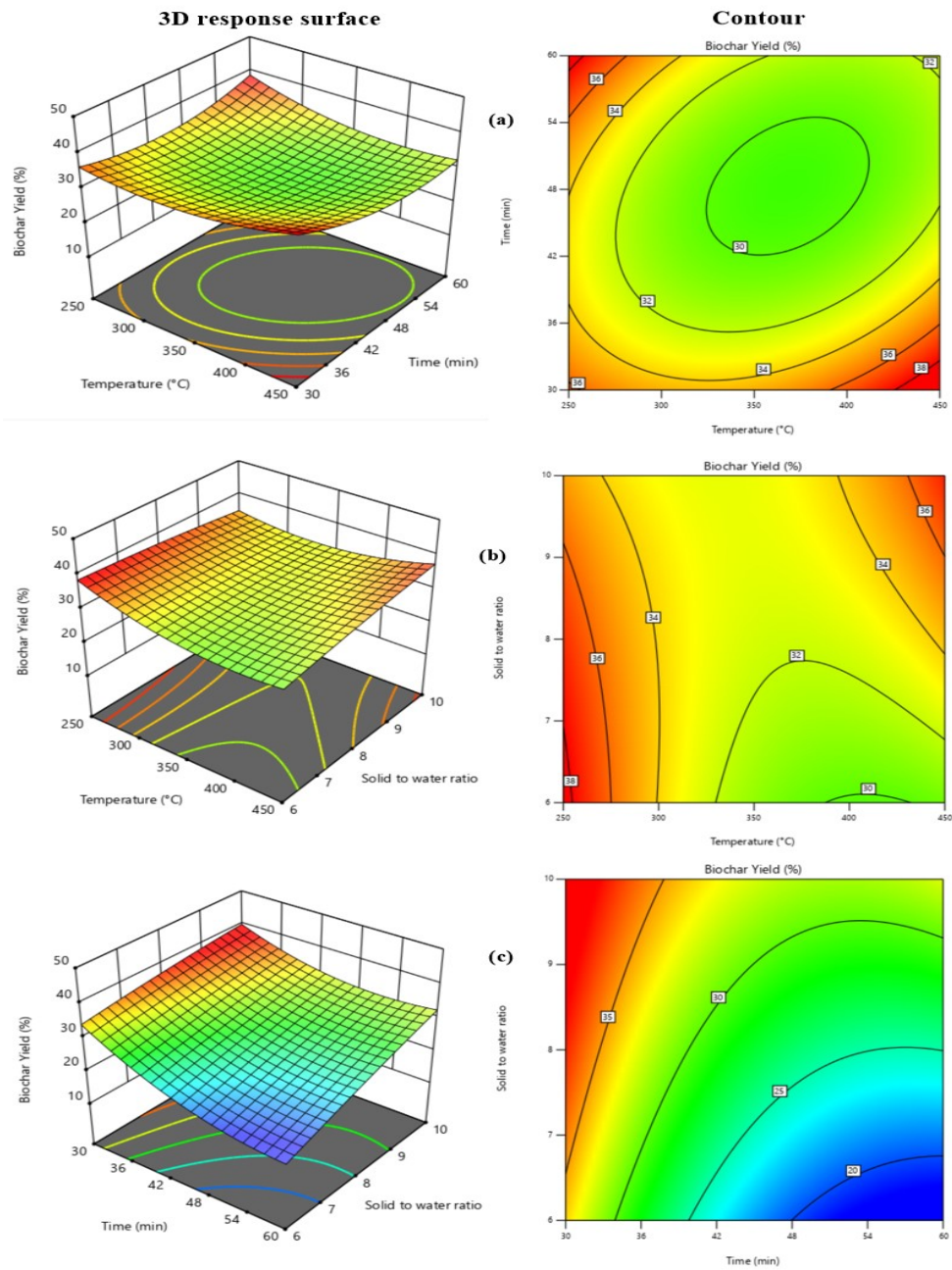


Fig. S3 3D response surface and contour plot showing effect of (a) temperature and time (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on biochar yield.

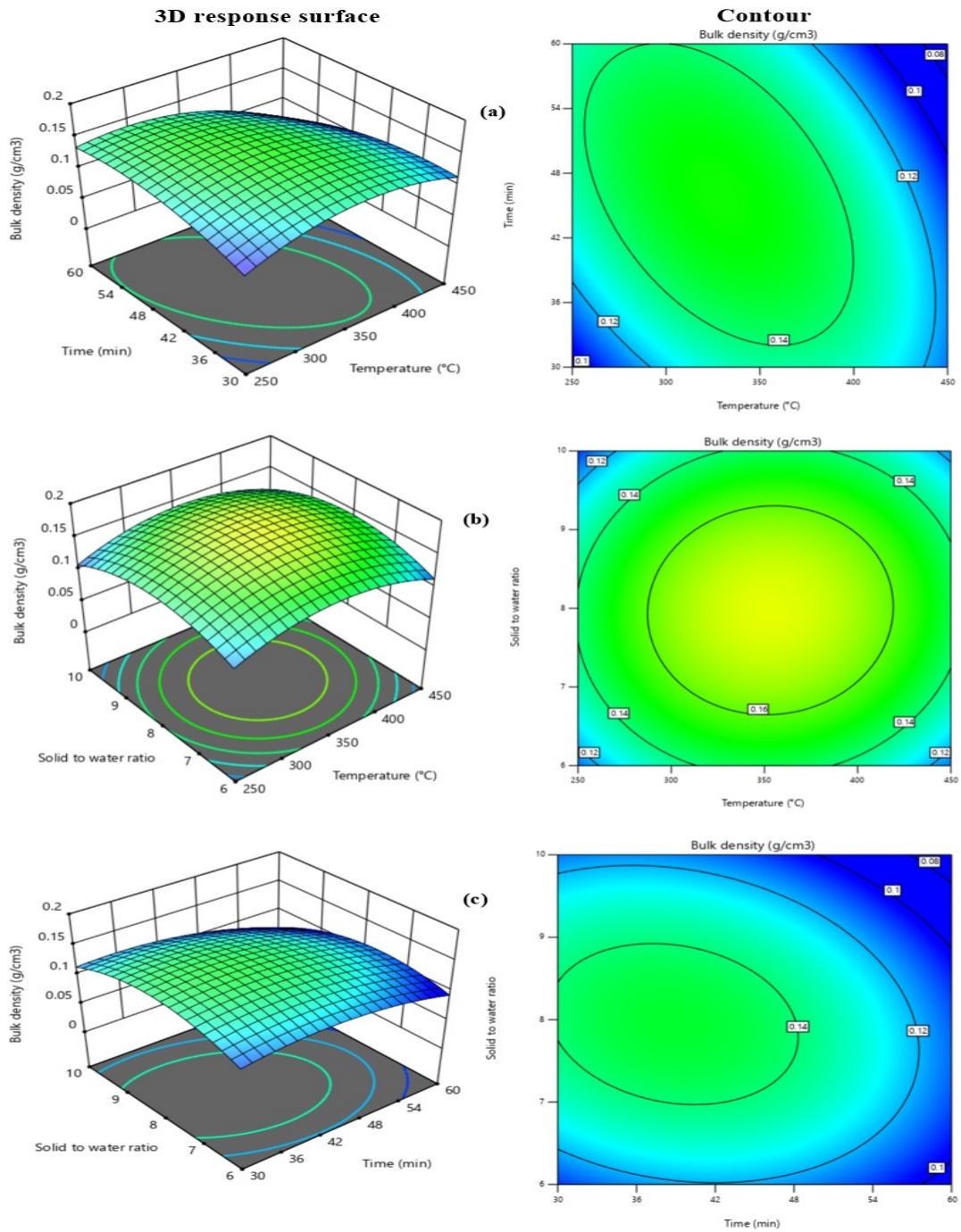


Fig. S4 3D response surface and contour plot showing effect of (a) temperature and time (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on bulk density.

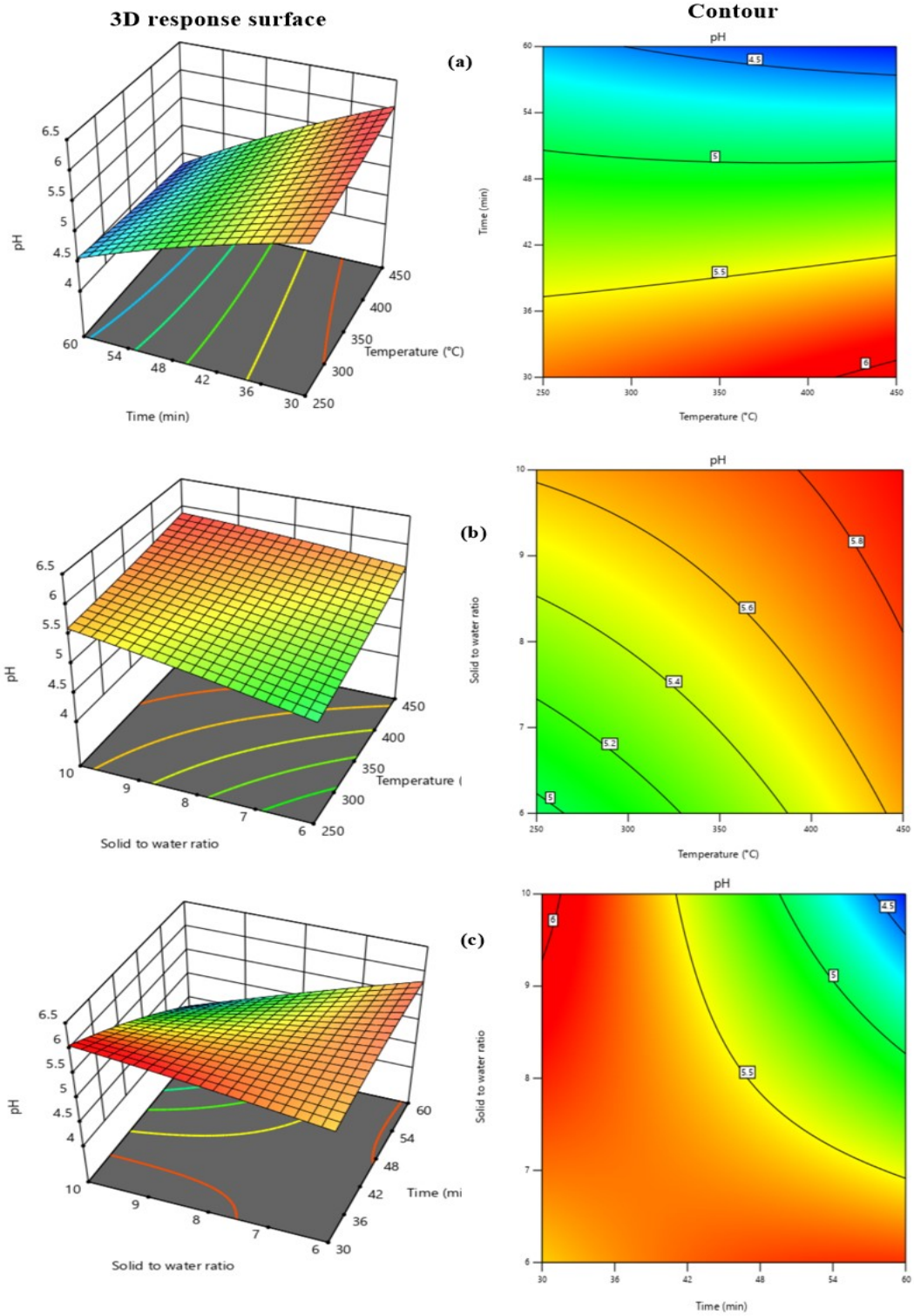


Fig. S5 3D response surface and contour plot showing effect of (a) temperature and time (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on pH.

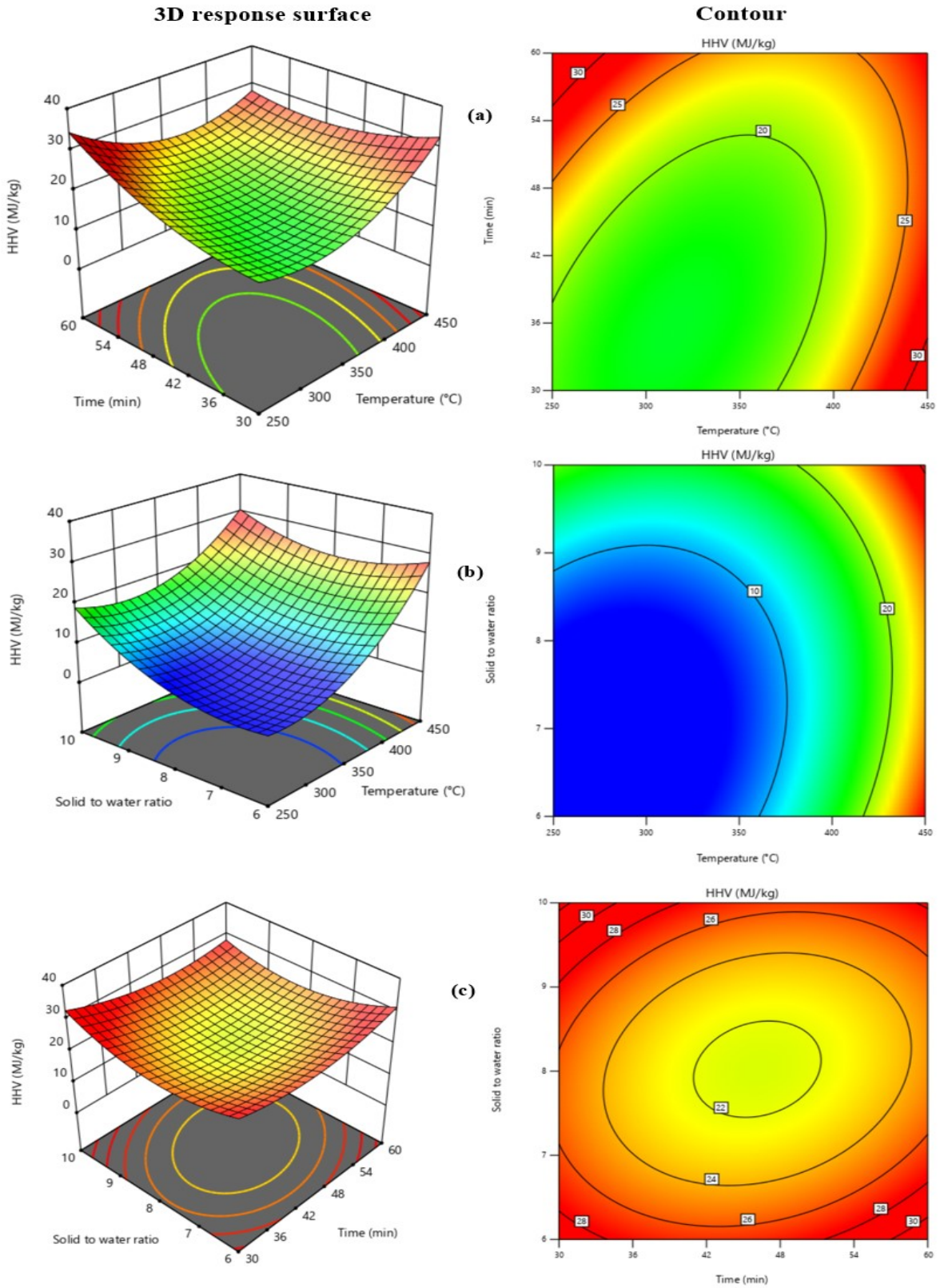


Fig. S6 3D response surface and contour plot showing effect of (a) temperature and time (b) temperature and solid-to-water ratio and (c) time and solid-to-water ratio on HHV.