

Figure S1. FTIR spectrum (a) and Solid-state ^{13}C NMR spectrum (b) of FA

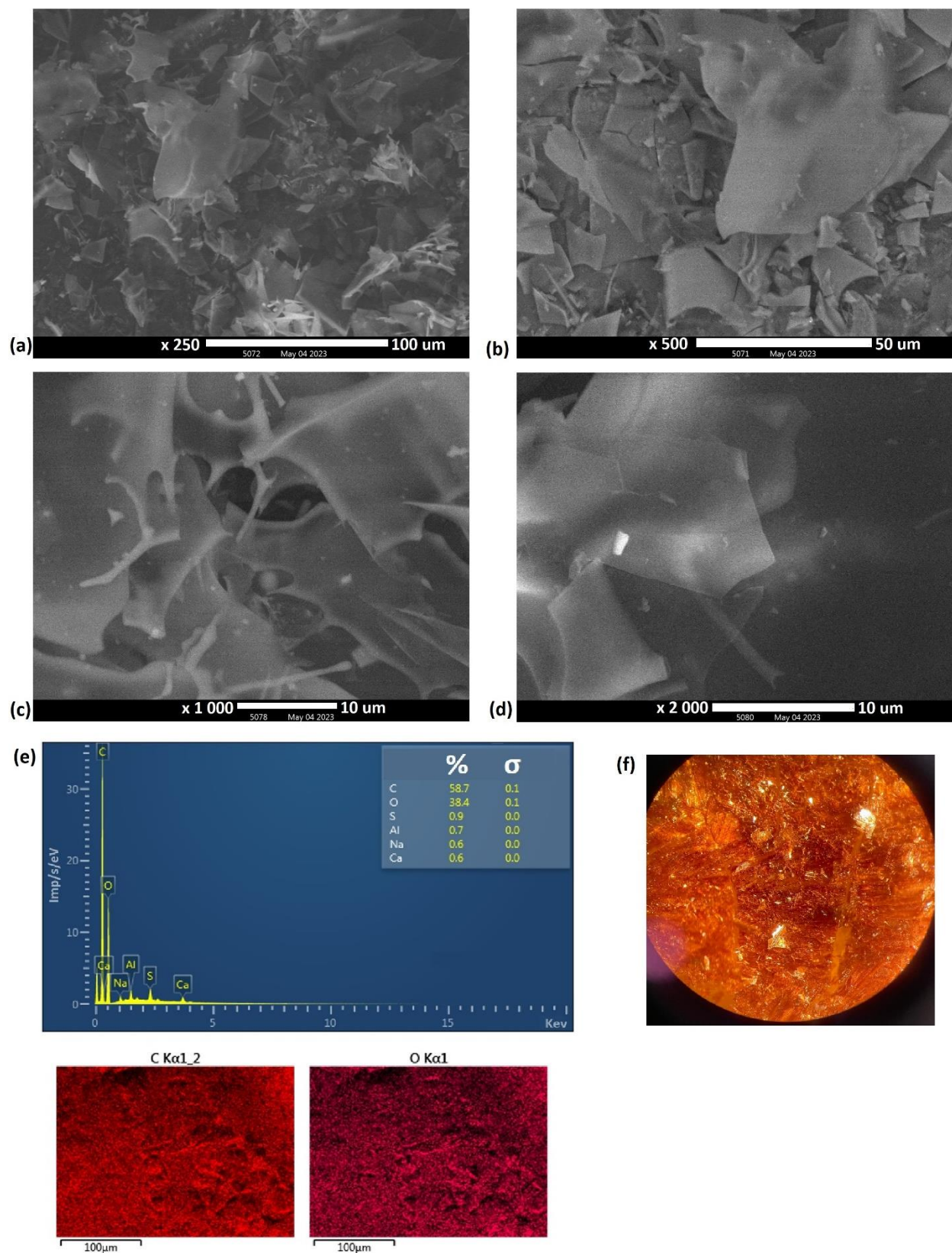


Figure S2. SEM images (a–d), EDX spectra and the distribution of elements in powders on aluminum foil (e) and FA appearance (f) respectively.

Table S1. Standard deviations of the results of measurements of the fluorescence of the FA solution

| FA concentration, μg/mL | Fluorescence intensity, a.u. | RSD, % |
|----------------------------|---------------------------------|--------|
| 1.00 | 0.081±0.001 | 1.512 |
| 2.00 | 0.115±0.002 | 1.695 |
| 3.00 | 0.209±0.003 | 1.442 |
| 4.00 | 0.265±0.002 | 0.924 |
| 5.00 | 0.324±0.005 | 1.667 |
| 6.00 | 0.407±0.002 | 0.444 |
| 7.00 | 0.501±0.002 | 0.489 |
| 8.00 | 0.513±0.002 | 0.477 |
| 9.00 | 0.611±0.002 | 0.318 |
| 10.00 | 0.672±0.002 | 0.269 |