Figure S1. 1H NMR spectra of (A) conjugated soybean oil (CSO), and the soluble material recovered after Soxhlet extraction with CH2Cl2 of (B) oat hulls, and (C) a composite prepared from CSO, with a filler/resin ratio of 80/20, cured for 5 hours at 160 °C.
Table S1. Approximate fatty acid composition of commonly used natural oils in the preparation of new bio-based materials.

<table>
<thead>
<tr>
<th>Oil</th>
<th>Linoleic acid (C_{18:3})&lt;sup&gt;a&lt;/sup&gt; content (%)</th>
<th>Linoleic acid (C_{18:2})&lt;sup&gt;a&lt;/sup&gt; content (%)</th>
<th>Oleic acid (C_{18:1})&lt;sup&gt;a&lt;/sup&gt; content (%)</th>
<th>Stearic acid (C_{18:0})&lt;sup&gt;a&lt;/sup&gt; content (%)</th>
<th>Palmitic acid (C_{16:0})&lt;sup&gt;a&lt;/sup&gt; content (%)</th>
<th>Double bonds per triglyceride&lt;sup&gt;b&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tung oil&lt;sup&gt;c&lt;/sup&gt;</td>
<td>-</td>
<td>6</td>
<td>4</td>
<td>-</td>
<td>6</td>
<td>7.9</td>
</tr>
<tr>
<td>Linseed oil</td>
<td>56</td>
<td>15</td>
<td>19</td>
<td>4</td>
<td>6</td>
<td>6.5</td>
</tr>
<tr>
<td>Soybean oil</td>
<td>8</td>
<td>54</td>
<td>23</td>
<td>4</td>
<td>11</td>
<td>4.5</td>
</tr>
<tr>
<td>Corn oil</td>
<td>1</td>
<td>60</td>
<td>26</td>
<td>2</td>
<td>11</td>
<td>4.5</td>
</tr>
<tr>
<td>Fish oil&lt;sup&gt;d&lt;/sup&gt;</td>
<td>-</td>
<td>-</td>
<td>11-25</td>
<td>-</td>
<td>10-22</td>
<td>9.9</td>
</tr>
</tbody>
</table>

<sup>a</sup> The notation in parentheses (C<sub>x:y</sub>), after the fatty acid name, denotes the number of carbon atoms (x), followed by the number of carbon-carbon double bonds (y) in the corresponding fatty acid. The carbon-carbon double bonds in these natural oils possess predominantly a cis configuration.

<sup>b</sup> Average number of carbon-carbon double bonds per triglyceride.

<sup>c</sup> Approximately 84 % of the fatty acid chains in tung oil are alpha-eleostearic acid, a naturally conjugated triene<sup>18</sup>.

<sup>d</sup> Fish oil possesses a high percentage of polyunsaturated fatty acids, containing as many as 5 to 6 non-conjugated carbon-carbon double bonds<sup>22</sup>.