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**LIST OF ABBREVIATIONS**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Definition</th>
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<tbody>
<tr>
<td>Δψ</td>
<td>Membrane potential</td>
</tr>
<tr>
<td>ΔpH</td>
<td>Proton gradient</td>
</tr>
<tr>
<td>Δp, pmf</td>
<td>Proton motive force</td>
</tr>
<tr>
<td>BCECF</td>
<td>2',7'-bis-(2-carboxyethyl)-5-(and-6)-carboxyfluorescein</td>
</tr>
<tr>
<td>BCECF-AM</td>
<td>BCECF-acetoxymethyl ester</td>
</tr>
<tr>
<td>TMA-DPH</td>
<td>1-[4-(trimethylamino) phenyl]-6-phenylhexa-1,3,5-triene</td>
</tr>
<tr>
<td>TMAP-DPH</td>
<td>N-(6-phenyl-(1,3,5 hexatrienyl(phenyl-(propyl))))trimethyl-ammonium</td>
</tr>
<tr>
<td>DMA-DPH</td>
<td>1-[4-(dimethylamino)phenyl]-6-phenylhexa-1,3,5-triene or the anionic</td>
</tr>
<tr>
<td>DPH-CA</td>
<td>1,6-diphenylhexa-1,3,5-triene carboxylic acid</td>
</tr>
<tr>
<td>NBD-PE</td>
<td>N-(7-nitrobenz-2-oxa-1,3-diazol-4-yl)-1,2-dihexadecanoyl-sn-glycero-3-phosphoethanolamine</td>
</tr>
<tr>
<td>DPX</td>
<td>P-xylene-bis-pyridinium bromide</td>
</tr>
<tr>
<td>IPTG</td>
<td>Isopropyl-β-D-thiogalactopyranoside</td>
</tr>
<tr>
<td>DiSC(5)</td>
<td>3,3'-dipropylthiadicarbocyanine iodide</td>
</tr>
<tr>
<td>TPP+</td>
<td>Tetraphenyl phosphonium ion</td>
</tr>
<tr>
<td>PQQ</td>
<td>Pyrrolo-quinoline quinone</td>
</tr>
<tr>
<td>Ni-NTA</td>
<td>Ni²-nitriolo-tri-acetic acid</td>
</tr>
<tr>
<td>HEPES</td>
<td>4-(2-hydroxyethyl)-1-piperazinethane-sulfonate</td>
</tr>
<tr>
<td>MDR</td>
<td>MultiDrug Resistance</td>
</tr>
<tr>
<td>SDR</td>
<td>Specific Drug Resistance</td>
</tr>
<tr>
<td>TMS</td>
<td>TransMembrane spannng Segment</td>
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<tr>
<td>TEXAN</td>
<td>Toxin EXtruding Antiporters</td>
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<tr>
<td>SMR</td>
<td>Small Multidrug Resistance</td>
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<tr>
<td>MFS</td>
<td>Major Facilitator Superfamily</td>
</tr>
<tr>
<td>RND</td>
<td>Resistance Nodulation Devision</td>
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</tbody>
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LIST OF PUBLICATIONS


