

**Table 1. The stem anatomical differences among the studied taxa of *Solanum***

Taxa													
Characters	1- <i>S. coagulans</i> .	2- <i>S. elaeagnifolium</i> .	3- <i>S. virginianum</i> .	4- <i>S. incanum</i> .	5- <i>S. forskalaolii</i>	6- <i>S. villosum</i> . ssp. <i>villosum</i>	7- <i>S. villosum</i> . ssp. <i>miniatum</i>	8- <i>S. nigrum</i> . var. <i>nigrum</i>	9- <i>S. nigrum</i> . var. <i>incisum</i>	10- <i>S. nigrum</i> . var. <i>elbaensis</i>	11- <i>S. sinaicum</i> .	12- <i>S. schimperianum</i> .	
Outline in T.S.	Terete	Terete	Angular with wavy margin	Terete	Terete	Angular with wavy margin	Folded-ovoid	Folded-ovoid	Folded-ovoid	Folded-ovoid	Terete	Terete	
Cutin	Thick	Thin	Thick	Thick	Thin	Thick	Thin	Thick	Thick	Thick	Thick	Thin	
Epidermis	Radially + papillose	Radially + papillose	Radially + papillose	Radially + papillose	Radially + papillose	Radially + papillose	Radially + papillose	Tangential+ radially	Radially + papillose	Radially + papillose	Radially + papillose	Radially + papillose	
Hypodermis	Present	Absent	Present	Present	Present	Present	Present	Present	Absent	Present	Present	Present	
Cortex	Collen.+ parenchyma	Collen.+ parenchyma	Collenchyma	Collenchyma	Collen.+ parenchyma	Collen.+ parenchyma	Collenchyma	Collen.+ parenchyma	Collen.+ parenchyma	Collen.+ parenchyma	Collen.+ parenchyma	Collen.+ parenchyma	
Pericycle	Paren. + fiber	Paren. + fiber	Paren. + fiber	Parenchyma	Parenchyma	Parenchyma	Parenchyma	Parenchyma	Parenchyma	Parenchyma	Paren. + fiber	Paren. + fiber	
Stele	Siphonostele	Siphonostele	Siphonostele	Siphonostele	Siphonostele	Eustele	Eustele	Eustele	Eustele	Eustele	Siphonostele	Siphonostele	
Schizogenous canal	Present	Present	Absent	Present	Absent	Present	Absent	Absent	Absent	Present	Absent	Absent	
Idioblasts	Absent	Absent	Absent	Present	Absent	Present	Absent	Absent	Absent	Present	Absent	Present	

**Table 2. The leaf anatomical differences among the studied taxa of *Solanum***

Taxa														
Characters		<i>1-S. coagulans.</i>	<i>2-S. elaeagnifolium.</i>	<i>3-S. virginianum.</i>	<i>4-S. incanum.</i>	<i>5-S. forsskaalii</i>	<i>6-S. villosum.</i> <i>ssp. villosum</i>	<i>7-S. villosum. ssp.</i> <i>miniatum</i>	<i>8-S. nigrum. var.</i> <i>nigrum</i>	<i>9-S. nigrum. var.</i> <i>incisum</i>	<i>10-S. nigrum.</i> <i>var. elbaensis</i>	<i>11-S. sinaicum.</i>	<i>12-S.</i> <i>schimperianum.</i>	
<b>Blade</b>	Cutin	Thick	Thin	Thin	Thick	Thin	Thick	Thin	Thick	Thin	Thick	Thick	Thin	
	Epidermis	Radially + papillose	Radially + tangential	Radially + papillose	Radially + papillose	Radially + tangential	Radially + tangential	Radially + papillose	Radially + tangential	Radially + tangential	Radially + papillose	Radially + papillose	Radially / + tangential	
	Mesophyll	Isobilateral	Isobilateral	Dorsiventral	Dorsiventral	Dorsiventral	Dorsiventral	Dorsiventral	Dorsiventral	Dorsiventral	Dorsiventral	Dorsiventral	Isolateral	
	Palisade	1-2 layer	1-2 layer	Two layers	Two layers	Two layers	One layer	Two layers	One layer	Two layers	Two layers	Two layers	One layer	
	Spongy	2-3 layers	2-3 layers	2-3 layers	2-3 layers	2 layers	2 layers	2-3 layers	2-3 layers	3-4 layers	2-3 layers	4-5 layers	2-3 layers	
	Main bundle	One bundle	One bundle	5-6 bundles	4-5 bundles	2-3 bundles	3-4 bundles	3 bundles	2-3 bundles	3-4 bundles	3-4 bundles	One bundle	One bundle	
	Bundle sheath	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Present	Present	
	Mechanical tissue	Abaxially +adaxially	Abaxially +adaxially	Abaxially +adaxially	Abaxially +adaxially	Abaxially	Abaxially +adaxially	Abaxially +adaxially	Abaxially +adaxially	Abaxially	Abaxially	Abaxially +adaxially	Abaxially +adaxially	
	Idioblast	Present	Present	Present	Present	Absent	Present	Absent	Present	Absent	Absent	Present	Present	
<b>Petiole</b>	Outline in T.S.	Crescent	Y-shaped	Folded	Angular with wavy	Angular with wavy	Folded	Crescent	Folded	Folded	Crescent	Folded	Folded	
	Cutin	Thick	Thin	Thin	Thick	Thick	Thick	Thin	Thick	Thick	Thick	Thick	Thin	
	Epidermal cell	Radially + papillose	Radially + papillose	Radially + papillose	Papillose + tangential	Radially + papillose	Radially + papillose	Radially + papillose	Radially + papillose	papillose + tangential	Radially + papillose	Radially + papillose	Radially + papillose	
	Collenchyma	1-2 layers	2-3 layers	1-2 layers	4-5 layers	3-5 layers	1-2 layers	One layers	2-4 layers	1-2 layers	1-2 layers	1-2 layers	1-2 layers	
	Main bundle	13 bundles	1 bundle	6 bundles	5 bundles	5-6 bundles	3 bundles	3 bundles	3 bundles	4 bundles	3 bundles	6 bundles	1 bundle	
	Lateral bundle	3 bundles	2 bundles	3 bundles	2 bundles	2 bundles	2 bundles	3 bundles	3 bundles	2 bundles	2 bundles	3bundles	2 bundles	
	Schizogenous	Absent	Absent	Present	Present	Absent	Present	Absent	Absent	Absent	Absent	Absent	Present	
Idioblast	Present	Present	Present	Present	Absent	Present	Absent	Present	Absent	Absent	Present	Present		