J. King Saud Univ., Vol. 10, *Science* (1), pp. 31-40, Riyadh (A.H. 1418/1998)

Notes on the *Flora of Saudi Arabia* (Third Edition)

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(Received on 10/9/1996; accepted for publication on 12/10/1997)

Abstract. An awareness has developed in recent years of the importance of studying the wild plants of the Peninsular regions in general and Saudi Arabia in particular. As a result of this, a considerable number of publications have appeared in recent years in the fields of Plant Taxonomy and Plant Geography. Many of these findings have changed our floristic knowledge to a certain extent.

Flora of Saudi Arabia by Migahid is the only concise work covering all parts of Saudi Arabia. Although incomplete and containing errors, this work is still used as the main reference book for research and teaching. As studies on the flora and allied subjects are one of the primary steps in the process of development, incorrect identification of a plant or group of plants not only misleads but also devalues the observations. Therefore an attempt has been made to correct and update the third edition of *Flora of Saudi Arabia* (1988-1990).

Introduction

The Flora of Saudi Arabia and neighbouring countries in the Peninsula has been neglected for a long time due to inhospitable climate and other socio-cultural issues. Many early publications that cover this part of the world deal with only the floras of those regions where the vegetation is rich, or regions which have had easy access for exploration. The majority of the perennial plants of our floristic region are well documented in these works. Survey of annual plants, that represent 60-70% of the total vegetation cover often results in an incomplete list of species due to the variation in the

dormancy period of the seeds or the fluctuating climatic conditions. It was Migahid and Hammouda [1], who attempted to cover the flora of the entire region of Saudi Arabia for the first time. Despite the fact that the first edition (1974) and the subsequent second [2] and third edition [3] by Prof. Migahid did not cover all the plants present in this region, this flora depicts an overall outline of the vegetation of various ecosystems. His effort in producing a flora of Saudi Arabia is highly laudable as it was the first work on the vegetation, covering the whole region. But unfortunately it had many wrong identifications. Although many erroneous names, especially under photographs and sketches, were corrected in the third edition, there is still a considerable number of names that need to be corrected. Since most students and scientists in various Saudi Universities depend on this Flora, a correction is very much needed to avoid students acquiring any possible errors. An experienced botanist can easily notice the misplaced names but in the minds of novices, misplaced or wrong names given under photographs and sketches can give rise to lifelong misconceptions of plant identity. An attempt has, therefore been made to just correct the names under the photographs and sketches wherever these could be identified. The names for hazy or unidentifiable photos and sketches have not been referred to, nor any attempt made to review or correct the text at all. The names used in the corrections are the current botanical names replacing the non-valid or wrong names of the particular species. Though the third edition is the latest, the two previous editions are also still in circulation and one has to be vigilant against these wrong names given under the photographs and sketches in those editions, too.

A consolidated knowledge of our flora is still lagging behind that of many Western and Eastern country Floras. Strenuous efforts have been made in the past few years to explore many remote regions of the northern and south-western regions. As a result a considerable number of species, previously thought to be present only in the tropical parts of Africa and Yemen, have been added to the present knowledge of our flora [4]. At present the number of plant-families in Saudi Arabia itself stands at 143 (including some of the split-families mentioned in the Migahid's work)[5] as against 115 in the Third Edition [3]. Forthcoming floras for Saudi Arabia and the Arabian Peninsula would certainly help unveil the myth and complexity of our flora region.

Results

Following is a list of misplaced/erroneous names spread in three volumes. Some of the sources [6-9] used for corrections have been cited under references.

Errata in the *Flora of Saudi Arabia* (Third Edition)
(a) Volume I Cryptogames and Dicotyledons (Equisetaceae to Neuradaceae)

Page No	Misplaced/Erroneous	Corrections
6	*Cordia sinensis* (Under Family Convolvulaceae)	read under Ehretiaceae(description missing in the text)
6	Gramineae: Genera starting from *Bidens* to *Xanthium*	read under Compositae (Asteraceae)
30 (Plate-3)	*Onychium mealnolepis*	*Onychium divaricatum* (Poir)Alston
33 (Pl.-8B)	*Asplenium filare*	*Asplenium aethiopicum* (Burm.f.) Bech.
34 (Pl.-9)	*Cheilanthes catenensis*	*Cheilanthes vellea* (Ait.) F. Mueller
35 (Pl.-11)	*Juniperus polycarpos*	*Juniperus phoenicea* L.
36 (Pl.-12)	*Juniperus excelsa*	*Juniperus procera* Hochst. ex Endl.
37 (Pl.-14)	*Ranunculus aquatilis*	*Ranunculus pherospermus* Boiss & Bla.
42 (Pl.-19)	*Fumaria judaica*	*Fumaria parviflora* Lam.
43 (Pl.-20 top left)	*Maerua crassifolia*	not *Maerua crassifolia*
45 (Pl.-22 top left)	*Capparis cartilaginea*	*Capparis spinosa* L.
45 (Pl.-23 top)	*Capparis spinosa*	*Capparis cartilaginea* Decne
47	5. *Boscoa* Lam.	read *Boscia* Lam.
48 (Pl.-26)	*Capparis aegyptia*	*Capparis spinosa* L.
50 (Pl.-29)	*Cleome arabica*	*Cleome rupicola* Vicary
51 (Pl.-30)	*Cleome arabica*	*Cleome rupicola* Vicary
52 (Pl.- 31)	*Cleome africana*	*Cleome amblyocarpa* Barratte & Murb.
53 (Pl.-33)	*Cleome kotschyana*	*Cleome scaposa* DC.
69 (Pl.-49)	*Farsetia longistyla*	*Farsetia stylosa* R.Br.
74 (Pl.-56)	*Eremobium diffusum*	*Eremobium aegyptiacum* (Spreng.)Asch.
85 (Pl.-68 right)	*Ochradenus baccatus*	*Ochradenus arabicus* Chaudhary, Hillcoat & Miller
88 (Pl.-71)	*Reseda decursiva*	*Reseda muricata* Presl.
90 (Pl.-73, A-C)	*Hypericum chrysostrictum*	A. *Hypericum perforatum* L. B. & C. *Hyperium revolutum* Vahl
90 (Pl.-73, D)	*Hyperium perforatum*	*Hypericum hircinum* L.
102,103.104	*Malva aegyptia*	*Althaea ludwigii* L.
106 (Pl.-88)	*Abutilon pannosum*	left: *Abutilon bidentum* Hochst. Ex A.Rich. right top: *A ruticosum* Guill. & Perr. bottom: *A. hirtum* (Lam.) Sweet
107 (Pl.-89)	*Abutilon pannosum*	top left: *A. fruticosum* Guill. & Perrr. right: *A. ?pannosum* (Forst. f.Schl.) bottom left: *A. ? ramosum* (Cav.) Guill.&Perr.

Page No	Misplaced/Erroneous	Corrections
118 (Pl.-101)	*Fagonia cretica*	*Fagonia bruguieri* DC.
120 (Pl.-102 A & B)	*Tribulus longipetalus*	*Tribulus pentandrus* Forssk.
130 (Pl.-112 A)	*Euphorbia peplis*	*Euphorbia peplus* L.
130 (Pl.-112 B, C & D)	*Euphorbia cyparissioides*	*Euphorbia schimperiana* Scheele
141 (Pl.-122)	*Phyllanthus rotundifolius*	*Andrachene telephoides* L.
145 (Pl.-127 right)	*Melia azaderach*	*Azadirechta indica* A. Juss.
150 (Pl.-132)	*Ziziphus lotus*	*Ziziphus nummularia* (Burm.f.) wight & Arn.)
151 (Pl.-133 C)	*Rhamnus disperma*	*Lycium shawii Roem.* & Schult
151 (Pl.-133 D)	*Rhamnus staddo*	*Olea europaea* L.
154 (Pl.-136 B)	*Ficus salicifolia*	*Eucalyptus* sp.
156 (Pl.-138 top)	*Ficus pseudosycomorus*	*Ficus sycomorus* L.
156 (Pl.-138 bottom)	*Ficus pseudosycomorus.*	*Ficus palmata* Forssk
162 (Pl.-143 C)	*Rumex napalensis*	*Rumex* sp.
166 (Pl.-147 B)	*Polygonum plebejum*	probably *Amaranthus graecizans* L.
168 (Pl.-149 A)	*Commicarpus ehrenbergii*	*Commicarpus sinuatus* Meikle
171 (Pl.-151 top & bottom left)	*Mesembryanthemum* nodiflorum	*Buglossoides arvensis* (L.) I.M. Johnston
175 (Pl.-154)	*Trianthema sedifolia*	*Zygophyllum simplex* L.
178 (Pl.-158 A)	*Paronychia arabica*	*Bassia muricata* (L.) Asch.
178 (Pl.-158 C)	*Paronychia nivea*	*Paronychia chlorothyrsa* Murb.
179 (Pl.-159 B & C)		Not *Paronychia*
181 (Pl.-161)	*Paronychia desertorum*	*Polycarpaea repans* (Forssk.) Asch.
182 (Pl.-162 bottom right)	*Gymnocarpos decandrum*	*Sphaerocomma aucheri* Boiss.
185 (Pl.-165 A & B)	*Robbairea delileana*	*Polycarpaea robbairea* (Kuntze) Greuter & Burdet
185 (Pl.-165 C)	*Minuartia filifolia*	*Spergula fallax* (Lowe) E.H.L. Krause
188 (Pl.-169 top left)	*Gypsophila capillaris*	*Scabiosa oliveri* Coult. (Dipsacaceae)
188 (Pl.-169 bottom left)	*Gypsophila capillaris*	*Commicarpus sp.* .(Nyctaginaceae)
189 (Pl.-170)	Vaccaria pyramidata	*Silene vulgaris* (Moench) Garcke
191 (Pl.-172 A&B)	*Silene arabica*	*Silene villosa* Forssk.

Page No	Misplaced/Erroneous	Corrections
191 (Pl.-172 C & D)	*Silene conoidea*	*Silene coniflora* Nees
195 (Pl.-175)	*Silene nocturna*	*Silene ?hochstetteri* Rohrb.
195 (Pl.-176)	*Atriplex farinosa*	*Atriplex dimorphostegia* Kar. & Kir.
198 (Pl.-179)	*Chenopodium album*	*Amaranthus graecizans* L.
204 (Pl.-184 left)	*Bassia muricata*	*Paronychia arabica* (L.) Del.
205 (Pl.-185)	*Aellenia subaphylla*	*Halothamnus bottae* Jaub. & Spach.
207 (Pl.-187 top)	*Salsola baryosma*	*Cressa cretica* L. (Convolvulaceae)
208 (Pl.-188)	*Salsola tetrandra*	*Traganum nudatum* Del.
210 (Pl.-190 C)	*Cornulaca ehrenbergii*	*Cornulaca aucheri* Moq.
211 (Pl.-191 top)	*Traganum nudatum*	*Halothamnus iraqensis* Botsch.
212 (Pl.-192)	*Traganum nudatum*	*Halothamnus iraqensis* Botsch.
215 (Pl.-195)	*Suaeda pruinosa*	*Suaeda vermiculata* Forssk.
216 (Pl.-196 C & D	*Hammada elegans*	*Haloxylon salicornicum* (Moq.) Bge.
219 (Pl.-199 A)	*Haloxylon ammodendron*	*Haloxylon persicum* Bge.
219 (Pl.-199 B)	*Hammada elegans*	*Haloxylon salicornicum* (Moq.) Bge.
220 & 221 (Pl.-200 &201)	*Hammada elegans*	*Haloxylon salicornicum* (Moq Bge.)
231 (Pl.-210 right-3 photos)	*Umblicus rupestris*	*Umblicus horizontalis* Boiss.

Volume II. Dicotyledons (Leguminosae to Compositae)

Page No	Misplaced/Erroneous	Corrections
4 (Pl.-2)	*Lagonychium farctum*	*Prosopis farcta* (Banks & Sol.) Macbr.
5 (Pl.-4 A)	*Acacia arabica*	*Acacia nilotica* (L.) Willd ex Benth.
6 (Pl.-5 B)	*Acacia nubica*	*Acacia oerfota* (Forssk.) Schwein.
11 (Pl.-9 top left & right)	*Cassia italica*	*Senna italica* Mill.
11 (Pl.-9 bottom left)	*Cassia italica*	*Senna holosericea* (Fresen.) Grerter
12 (Pl. 10)	*Cassia italica*	*Senna italica* Mill.
13. (Pl.-11 A)	*Cassia senna*	*Senna alexandrina* Mill.
18 & 19 (Pl.-15 & 16)	*Lygos raetam*	*Retama raetam* (Forssk.) Webb & Berth.
33 (Pl.-32)	*Indigofera articulata*	*Onobrychis ptolemaica* (Del.) DC.
44 (Pl.-43 A & B)	*Astragalus corrugatus*	*Astragalus eremophilus* Boiss.

Page No	Misplaced/Erroneous	Corrections
44 (Pl.-43 C)	*Astragalus corrugatus* var. *brevipes*	*Astragalus hauarensis* Benth. (= *A. gyzensis* Del.)
50 (Pl.-50)	*Astragalus stella*	*Astragalus schimperi* Boiss.
61 (Pl.-63)	*Pituranthos triradiatus*	*Divera triradiata* Hochst. ex Boiss.
64 & 65 (Pl.-65 & 66)	*Echinosciadium arabicum*	*Anisosciadium lanatum* Boiss.
67 & 68 (Pl.-69 & 70)	*Ducrosia ismaelis*	*Ducrosia anethifolia* (DC.) Boiss.
69 (Pl.-71 A & B)	*Loranthus heteromorphus*	*Phragmanthera regularis* (Sprague) M. Gilbert
70 (Pl.-72)	*Salix subserrata*	Probably *Olea europaea* L.
74 (Pl.-77)	*Euclea schimperi*	*Ficus glumosa* Del.
81 & 82 (Pl.-87)	*Steinheilia radicans*	*Steinheilia radians* Decne.
84 (Pl.-89)	*Solenostemma argel*	*Solenostemma oleifolium* (Nect.) Bullock & Burce
84 (Pl.-90)	*Glossonema nubicum*	*Glossonema boveanum* Decne.
95 (Pl.-101)	*Caralluma retrospicens*	*Caralluma russeliana* (Courb. ex Borngn.) Cufod.
97 (Pl.-103 B & C)	*Caralluma sinaica*	Probably *Caralluma plicatiloba* Lavr.
100 (Pl.-107)	*Jaubertia calycoptera*	*Pterogaillonia calycoptera* (Decne.) Lincz. (=*Gaillonia Calycoptera* (Decne.) Jaub. et Sp.).
104 (Pl.-112 bottom)	*Convolvulus arvensis*	*Convolvulus pilosellifolius* Desr
106 & 107 (Pl.-115 & 116)	*Convolvulus lanatus*	*Convolvulus oxyphyllus* Boiss. ssp. *oxycladus* Rech.f.
108 (Pl.-117 top left)	*Convolvulus prostratus*	*C. austro-aegyptiacus* var. *cancerianus* (Abdullah & Sa'ad)Alfarhan
108 (Pl.-117 top right)	*Convolvulus prostratus*	*C. buschiricus* Bornm.
114 122 top right & bottom)	*Heliotropium bacciferum*	*Molkiopsis ciliata* (Forssk.) Johns.
117 (Pl.-125)	*Trichodesma pauciflorum*	*Trichodesma calathiforme* Hochst.
128 (Pl.-136 B & C)	*Mentha lavandulacea*	*Mentha longifolia* L.
133 (Pl.-141)	*Ajuga* sp.	*Ajuga arabica* P.Davis
143 (Pl.-152 top left)	*Marrubium vulgare*	*Otostegia fruticosa* (Forssk.) Briq.
146 (Pl.-155)	*Datura metel*	*Datura stramonium* L.
155 (Pl.-165)	*Solanum carense*	*Solanum schimperianum* Hochst. ex Dun

Page No	Misplaced/Erroneous	Corrections
159 (Pl.-169)	*Veronica anagallis-aquatica*	*Misopates orontium* (L.) Rafn. (=*Antirrhinum orontium* L.)
170 (Pl.-178)	*Ruellia patula*	*Ruellia malacosperma* Green (a cultivated plant)
179 (Pl.-188 B)	*Plantago cylindrica*	*Plantago boissieri* Hausskn. et Bornm.
180 (Pl.-189)	*Plantago cylindrica*	*P. psammophila* or *P. boissieri*
190 (Pl.-195)	*Urospermum picroides*	*Sonchus oleraceus* L.
193 (Pl.-198)	*Picris abyssinica*	*Picris cynocarpa* Boiss.
196 (Pl.-201 left)	*Launaea cassiniana*	*Launaea angustifolia* (Desf.) Kuntz.
196 (Pl.-201 right top & bottom	*Launaea cassiniana*	*Launaea mucronata* (Forssk.) Muschl.
200 (Pl.-206)	*Launaea goraeensis*	*Launaea mucronata* (Forssk.) Christ.
206 (Pl.-211)	*Echinops hussoni*	*Echinops mandavillei* Kit Tan
207 (Pl.-212)	*Echinops spinosissimus*	*Echinops ?histrichoides* Kit Tan
209 (Pl.-213)	*Onopordum ambiguum*	*Onopordon sibthorpianum* Boiss. & Heldr.
211 (Pl.-215)	*Cirsium lanceolatum*	*Cirsium vulgare* L.
214 & 215 (Pl.-219 & 220 A & B)	*Centaurea sinaica*	*Centaurea pseudosinaica* Czerp.
219 (Pl.-224 A&B)	*Helichrysum somalense*	*Helichrysum glumaceum* DC.
225 (Pl.-229)	*Filago contracta*	*Asteriscus pygmaeus* (DC.) Coss. et Dur.
227 (Pl.-232)	*Calendula micrantha*	*Calendula arvensis* L.
231 (Pl.-236)	*Pulicaria orientalis*	*Pulicaria jaubertii* Gamel-Eldin
234 & 235 (Pl.-239 & 240)	*Francoeuria crispa*	*Pulicaria undulata* (L.) C.A. Meyer
239 & 240 (Pl.-248 & 249)	*Artemisia abyssinica*	*Artemisia monosperma* Del.
241 (Pl.-250 left top & right)	*Artemisia inculta*	*Artemisia sieberi* Besser.
241 (Pl.250 left bottom)	*Artemisia inculta*	*Artemisia monosperma* Del.
243 & 244 (Pl.-251 & 252)	*Psiadia arabica*	*Psiadia punctulata* DC.
248 (Pl.-256)	*Conyza dioscoridis*	*Conyza incana* Willd.
250 (Pl.-258)	*Conyza stricta*	*Conyza incana* Willd.
251 & 252 (Pl.-259 & 260 A)	*Senecio desfontainei*	*Senecio glaucus* L.
254 (Pl.-263)	*Achillea arabica*	*Achillea biebersteinii* Afan.

Page No	Misplaced/Erroneous	Corrections
257 & 258 (Pl.-266 & 267)	*Tripleurospermum auriculatum*	*Aaronsohnia factorovskyi* Warb. & Eig
260 (Pl.-269 bottom)	*Flaveria trinervia*	*Gisekia pharnaceoides* L. (Aizoaceae)

Volume III Monocotyledons (Hydrocharitaceae to Orchidaceae)

Page No	Misplaced/Erroneous	Corrections
7 (Pl.-4)	*Gagea reticulata*	*Romulea fischeri* Pax (Iridaceae)
8 (Pl.-5)	*Asperagus mitis*	*Asperagus africanus* Lam.
15,16 & 17 (Pl.-1112 & 13)	*Iris sisyrinchium*	*Gynandris sisyrinchium* Parl.
17 &18 (Pl.-14 &15)	*Juncus acutus*	*Juncus rigidus* C.A. May
23 (Pl.-20)	*Setaria glauca*	*Setaria viridis* (L.) P. Beauv
25 (Pl.-23 B)	*Cenchrus pennisetiformis*	*Cenchrus ciliaris* L.
28 (Pl.-25 B)	*Pennisetum divisum*	*Pennisetum setaceum* (Forssk.) Chiov.
32 (Pl.-29)	*Paspalum paspaloides*	*Paspalum distichum* L.
33 (Pl.-30)	*Tricholaena teneriffae*	*Chrysopogon plumulosus* Hochst.
37 & 38 (Pl.-33 & 34)	*Latipes senegalensis*	*Tragus racemosus* (L.) All.
39 (Pl.-35)	*Lasiurus hirsutus*	*Lasiurus scindicus* Henr.
41 (Pl.-37)	*Polypogon semiverticillatus*	*Agrostis viridis* Gouan
43 (Pl.-39 C & D)	*Hyparrhenia hirta*	*Cymbopogon commutatus* (Steudel) Stapf
46 (Pl.-42)	*Hyparrhenia hirta*	*Cymbopogon* sp.
47 (Pl.-43 A)	*Lolium perennei*	*Lolium multiflorum* Lam.
49 (Pl.-45)	*Aegilops triuncialis*	*Aegilops kotschyi* Boiss.
50 & 51 (Pl.-46 & 47)	*Hordeum leporinum*	*Hordeum murinum* L.
58 & 59 (Pl.-56 & 57)	*Eleusine compressa*	*Ochthochloa compressa* (Forssk.) Hilu
64 (Pl.-62 B)	*Brachiaria eruciformis*	probably *Paspalidium geminatum* (Forssk.) Stapf
66 (Pl.-64)	*Lagurus ovatus*	*Pennisetum villosum* R.Br. ex Fresen.
70 (Pl.- 66 D)	*Stipagrostis scoparia*	*Stipagrostis drarii* (Tackh.) de Wint.
71 (Pl.-67 B)	*Stipagrostis plumosa*	*Stipagrostis raddiana* (Savi) de Wint.
72 (Pl.-68)	*Stipagrostis scoparia*	*Stipagrostis drarii* (Tackh.) de Wint.

Page No	Misplaced/Erroneous	Corrections
80 (Pl.-74 right top & bottom)	*Astenatherum forsskalii*	*Pennisetum divisum* (Gmel.) Henr.
80 & 81 (Pl.-74 left & 75)	*Astenatherum forsskalii*	*Centropodia forskalii* (Vahl) Cope
81 & 82 (Pl.-75 B & 76)	*Astenatherum fragillis*	*Centropodia fragillis* (Guinet & Sauvage) Cope
83 (Pl.-77)	*Lophochloa pumila*	*Rostraria pumila* (Desf.) Tzvelev
83 (Pl.-78)	*Lophochloa cristata*	*Rostraria cristata* (L.) Tzvelev
92 (Pl.-86 right top & bottom)	*Trachynia distachya*	*Bromus danthoniae* Trin.
92 & 93 (Pl.-86 left & 87)	*Trachynia distachya*	*Brachypodium distachyon* (L.) P. Beauv.
94 (Pl.-88 D)	*Cutandia dichotoma*	*Cutandia memphitica* (Sprengel) Benth.
96 (Pl.-89)	*Eragrostis poaeoides*	*Eragrostis barrelieri* Dav.
97, 98, 99, 100. (Pl.-90 B, 91, 92 & 93)	*Aeluropus massuensis*	*Aeluropus lagopoides* (L.) Trin ex Thwaites

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ملاحظات على فلورا المملكة العربية السعودية (الطبعة الثالثة)

أحمد الفرحان، شوكت شودري * وجاكوب توماس

*المعشبة، قسم النبات والأحياء الدقيقة، كلية العلوم، جامعة الملك سعود، ص.ب ٢٤٥٥، الرياض ١١٤٥١ و * المعشبة الوطنية، المركز الوطني لأبحاث الزراعة والمياه، وزارة الزراعة والمياه، ص.ب ١٧٢٨٥، الرياض ١١٤٨٤؛ المملكة العربية السعودية*

(استلم في ٢٧/ ٤/ ١٤١٧هـ؛ وقبل للنشر في ١١/ ٦/ ١٤١٨هـ)

ملخص البحث. لم تحظ فلورا المملكة العربية السعودية والأقطار المجاورة لها في الجزيرة العربية بالقدر الكافي من الدراسة نظراً لصعوبة الظروف البيئية والأوضاع الاجتماعية التي كانت سائدة في السابق. تمت معظم الدراسات الفلورية في مناطق ذات كثافة نباتية أو التي استطاع الباحثون الوصول اليها عبر طرق المواصلات المحدودة في ذلك الوقت.

ولعل أوّل وأهم الدراسات الفلورية التي غطّت جميع مناطق المملكة العربية السعودية هو ما قام به مجاهد وحموده عام ١٩٧٤م إلاّ أنّه وبالرغم من ظهور الطبعة الثانية عام ١٩٧٨م والطبعة الثالثة عام ١٩٨٨ ـ ١٩٩٠م فقد ظهر العديد من الأخطاء والتي لا تتفق مع معلوماتنا بفلورا المملكة العربية السعودية أو قد تكون ناتجة عن خطأ في الطباعة أو خطأ في تنسيق المعلومات الكثيفة لاتمام هذا الجهد الكبير. وحيث إن الباحثين والطلاب يعتمدون على هذا المؤلف في دراساتهم في هذا المجال. لذا رأينا ضرورة تصحيح تعريفات الأنواع النباتية بالقدر الذي نستطيع فيه مراجعة هذا المؤلف.

تمّ في هذه الدراسة تصحيح أخطاء تعريفات النباتات التي ظهرت صورها ورسوماتها في الطبعة الثالثة، كما تم تعديل الأسماء العلمية المرادفة في هذه الطبعة، أما تعريفات النباتات التي لم ترفق بصورة ورسومات لم نستطع تصحيحها وذلك لأن العيّنات المدروسة لم تحدّد بأرقام معشبية للتأكد من مطابقة التعريف مع العيّنة المعشبية.

وعلى كل حال، إن دراسة فلورا المملكة العربية السعودية لم تكتمل، حيث مازال العديد من الأنواع النباتية لم تسجل ضمن فلورا المملكة العربية السعودية، وقد ظهر هذا جليًا في أبحاث منشورة خلال السنوات الأخيرة والتي تم فيها تسجيل العديد من الأنواع الجديدة ضمن فلورا المملكة العربية السعودية.