

## Annotated Checklist of Amphibians and Reptiles of Pakistan

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*Abstract.* - From recent herpetological collections several new amphibian and reptilian taxa have been added to the herpetofauna of Pakistan. Thus raising the number of species from Minton's 144 and Mertens' 178 to 225.

*Key words.* - Checklist, Pakistan, herpetofauna.

### Introduction

Following is the checklist of amphibian and reptile species that, so far, have been recorded and described in the major works on the herpetology of the subcontinent from the areas now included in Pakistan (Günther, 1864; Murray, 1884, 1886, 1892; Boulenger, 1890, 1896; Smith, 1931, 1935, 1943). Recently described and recorded species from Pakistan are also included in it (Anderson and Leviton, 1966, 1967, 1969; Anderson and Minton, 1963; Cherlin, 1981, 1983; Szczerbak, 1991; Golubev and Szczerbak, 1981; Ingoldby, 1922; Mertens 1969a,b, 1970, 1971, 1972, 1974; Baig, 1988, 1989, 1998, 1999; Baig and Böhme, 1996; Baig and Gvozdk, 1998; Dubois and Khan, 1979; Minton, 1966; Minton and Anderson, J. 1965; Minton et al., 1970; Khan, A. Q. and Khan, M.S. 1996; Khan, 1972, 1974, 1980, 1984a,b, 1988, 1989, 1991, 1992, 1993a,b, 1994, 1997a,b,c, 1998, 1999a,b, 2000, 2001a,b, 2003a,b; Khan and Baig, 1992; Khan and Khan, R.Z., 1997; Khan and Tasnim, 1989, 1990; Khan and Rösler, 1999; Rastegar-Pouyani, 1999.

### Frogs and Toads

#### Family: Bufonidae

*Bufo* Laurenti, 1768

*Bufo himalayanus* Günther, 1864

*Bufo latastii* Boulenger, 1882

*Bufo melanostictus hazarensis* Khan, 2001

*Bufo olivaceus* Blanford, 1874

*Bufo pseudoraddei pseudoraddei* Mertens, 1971

*Bufo pseudoraddei baturae* Stock, Schmid,  
Steinlein, and Grosse, 1999

*Bufo siacheninsis* Khan, 1997

*Bufo stomaticus* Lütkin, 1862

*Bufo surdus* Boulenger, 1891

*Bufo viridis zugmayeri* Eiselt and Schmidtler, 1973

#### Family: Microhylidae

*Microhyla* Tschudi, 1828

*Microhyla ornata* (Duméril and Bibron, 1841)

*Uperodon* Dumeril and Bibron, 1841

*Uperodon systoma* (Schneider, 1799)

#### Family: Ranidae

*Euphlyctis* Fitzinger, 1843

*Euphlyctis cyanophlyctis cyanophlyctis* (Schneider,  
1799)

*Euphlyctis cyanophlyctis microspinulata* Khan,  
1997

*Euphlyctis cyanophlyctis seistanica* (Nikolsky, 1900)

*Hoplobatrachus* Peters, 1863

*Hoplobatrachus tigerinus* (Daudin, 1802)

*Fejervarya* Bolckay, 1915

*Fejervarya limnocharis* (Boie, 1834)

*Fejervarya syhadrensis* (Annandale, 1919)

*Nanorana* Günther, 1836

*Nanorana pleskei* (Günther, 1896)

*Paa* Dubois, 1975

*Paa barmoachensis* (Khan and Tasnim, 1989)

*Paa hazarensis* Dubois and Khan, 1979

*Paa sternosignata* (Murray, 1885)

*Paa vicina* (Stoliczka, 1872)

*Sphaerotheca* Duméril and Bibron, 1841.

*Sphaerotheca breviceps* (Schneider, 1799)

## Turtles and Tortoises

### Family: Cheloniidae

*Caretta* Rafinesque, 1814

*Caretta caretta* (Linnaeus, 1758)

*Chelonia* Brongniart, 1800

*Chelonia mydas* (Linnaeus, 1758)

*Eretmochelys* Fitzinger, 1843

*Eretmochelys imbricata* (Linnaeus, 1766)

*Lepidochelys* Fitzinger, 1843

*Lepidochelys olivacea* (Eschscholtz, 1824)

### Family: Dermochelyidae

*Dermochelys* Blainville, 1816

*Dermochelys coriacea* (Vandelli, 1761)

### Family: Emydidae

*Geoclemys* (Gray, 1821)

*Geoclemys hamiltonii* (Gray, 1821)

*Hardella* Gray, 1870

*Hardella thurjii* Gray, 1870

*Kachuga* Gray, 1856

*Kachuga smithii* (Gray, 1863)

*Kachuga tecta* (Gray, 1831)

### Family: Testudinidae

*Agrionemys* Khozatsky and Mlynarsky, 1966

*Agrionemys horsfieldii* (Gray, 1844)

*Geochelone* Fitzinger, 1835

*Geochelone elegans* (Schopff, 1792)

### Family: Trionychidae

*Aspideretes* Hay, 1835

*Aspideretes gangeticus* (Cuvier, 1825)

*Aspideretes hurum* (Gray, 1831)

*Chitra* Gray, 1844

*Chitra indica* (Gray, 1831)

*Lissemys* Smith, 1931

*Lissemys punctata andersoni* Webb, 1980

## Crocodiles and Gavials

### Family: Crocodylidae

*Crocodylus* Laurenti, 1768

*Crocodylus palustris* Lesson, 1831

### Family: Gavialidae

*Gavialis* Opperl, 1811

*Gavialis gangeticus* (Gmelin, 1789)

## Lizards

### Family: Agamidae

*Brachysaura* Blyth, 1856

*Brachysaura minor* (Hardwicke and Gray, 1827)

*Calotes* Cuvier, 1817

*Calotes versicolor versicolor* (Daudin, 1802)

*Calotes versicolor farooqi* Auffenberg and Rehman,  
1995

**Japalura** Gray, 1853

*Japalura kumaonensis* (Annandale, 1907)

**Laudakia** Gray, 1845

*Laudakia agrorensis* (Stoliczka, 1872)

*Laudakia badakhshana* (Anderson and Leviton, 1969)

*Laudakia caucasia* (Eichwald, 1831)

*Laudakia fusca* (Blanford, 1876)

*Laudakia himalayana* (Steindachner, 1869)

*Laudakia lirata* (Blanford, 1874)

*Laudakia melanura nasiri* Baig, 1999

*Laudakia melanura melanura* Blyth, 1854

*Laudakia microlepis* (Blanford, 1874)

*Laudakia nupta* (de Filippi, 1843)

*Laudakia nuristanica* (Anderson and Leviton, 1969)

*Laudakia pakistanica* (Baig, 1989)

*Laudakia pakistanica auffenbergi* Baig and Böhme,  
1996

*Laudakia pakistanica khani* Baig and Böhme, 1996

*Laudakia tuberculata* (Hardwicke and Gray, 1827)

**Phrynocephalus** Kaup, 1825

*Phrynocephalus clarkorum* (Anderson and Leviton,  
1967)

*Phrynocephalus euptilopus* Alcock and Finn, 1896

*Phrynocephalus luteoguttatus* Boulenger, 1887

*Phrynocephalus maculatus* Anderson, 1872

*Phrynocephalus ornatus* Boulenger, 1887

*Phrynocephalus scutellatus* Olivier, 1807

**Trapelus** Cuvier, 1816

*Trapelus agilis* Olivier, 1804

*Trapelus agilis agilis* (Olivier, 1804)

*Trapelus agilis pakistanensis* Rastegar-Pouyani, 1999

*Trapelus megalonyx* Günther, 1864

*Trapelus rubrigularis* Blanford, 1876

*Trapelus ruderatus baluchianus* (Smith, 1935)

## Family: Chameleoniae

**Chamaeleo** Laurenti, 1768

*Chamaeleo zeylanicus* Laurenti, 1768

## Family: Eublepharidae

**Eublepharis** Gray, 1827

*Eublepharis macularius* (Blyth, 1854)

## Family: Gekkonidae

**Agamura** Blanford, 1874

*Agamura persica* (Duméril, 1856)

**Altigekko** M.S. Khan, 2003

*Altigekko baturensis* (Khan and Baig, 1992)

*Altigekko boehmei* (Szczerbak, 1991)

*Altigekko stoliczkai* (Steindachner, 1869)

**Bunopus** Blanford, 1874

*Bunopus tuberculatus* Blanford, 1874

**Crossobamon** Boettger, 1888

*Crossobamon lumsdeni* (Boulenger, 1887)

*Crossobamon maynardi* (Smith, 1933)

*Crossobamon orientalis* (Blanford, 1876)

**Cyrtopodion** Fitzinger, 1843

*Cyrtopodion agamuroides* (Nikolsky, 1900)

*Cyrtopodion kachhense kachhense* (Stoliczka, 1872)

*Cyrtopodion kachhense ingoldbyi* Khan, 1997

*Cyrtopodion kohsulaimanai* (Khan, 1991d)

*Cyrtopodion montiumsalsorum* (Annandale, 1913)

*Cyrtopodion potoharensis* Khan, 2001

*Cyrtopodion scabrum* (Heyden, 1827)

*Cyrtopodion watsoni* (Murray, 1892)

***Hemidactylus*** Oken, 1817

*Hemidactylus brookii* Gray, 1845

*Hemidactylus flaviviridis* Rüppell, 1835

*Hemidactylus frenatus* Schlegel, 1836

*Hemidactylus leschenaultii* Duméril and Bibron, 1836

*Hemidactylus persicus* J. Anderson, 1872

*Hemidactylus triedrus* (Daudin, 1802)

*Hemidactylus turcicus* (Linnaeus, 1758)

***Indogekko*** M.S. Khan, 2003

*Indogekko fortmunroi* (Khan, 1993)

*Indogekko indusoani* (Khan, 1980)

*Indogekko rhodocaudus* (Baig, 1998)

*Indogekko rohtasfortai* (Khan and Tasnim, 1990)

***Mediodactylus*** Szczerbak and Golubev, 1977

*Indogekko walli* (Ingoldby, 1922)

***Ptyodactylus*** Goldfuss, 1820

*Ptyodactylus homolepis* Blanford, 1876

***Rhinogecko*** de Witte, 1973

*Rhinogecko femoralis* (Smith, 1933)

*Rhinogecko misonnei* de Witte, 1973

***Siwaligekko*** M. S. Khan, 2003

*Siwaligekko battalensis* (Khan, 1993)

*Siwaligekko dattanensis* (Khan, 1980)

*Siwaligekko mintoni* (Golubev and Szczerbak, 1981)

***Teratolepis*** Günther, 1870

*Teratolepis fasciata* (Blyth, 1853)

***Teratoscincus*** Strauch, 1863

*Teratoscincus microlepis* Nikolsky, 1899

*Teratoscincus scincus* (Schlegel, 1858)

*Teratoscincus scincus keyserlingi* Strauch, 1863

***Tropicolotes*** Peters, 1880

*Tropicolotes depressus* Minton and J. A. Anderson, 1965

*Tropicolotes persicus persicus* (Nikolsky, 1903)

*Tropicolotes persicus euphorbiacola* Minton, S. Anderson, and J. A. Anderson, 1970

## Family: Lacertidae

***Acanthodactylus*** Wiegmann, 1834

*Acanthodactylus blanfordii* Boulenger, 1918

*Acanthodactylus cantoris* Günther, 1864

*Acanthodactylus micropholis* Blanford, 1874

***Eremias*** Wiegmann, 1834

*Eremias acutirostris* (Boulenger, 1887)

*Eremias aporosceles* (Alcock and Finn, 1896)

*Eremias fasciata* Blanford, 1874

*Eremias persica* Blanford, 1874

*Eremias scripta* (Strauch, 1867)

***Mesalina*** Gray, 1838

*Mesalina brevirostris* Blanford, 1874

*Mesalina watsonana* (Stoliczka, 1872)

***Ophisops*** Ménétriés, 1832

*Ophisops elegans* Ménétriés, 1832

*Ophisops jerdonii* Blyth, 1853

## Family: Scincidae

***Ablepharus*** Fitzinger, 1823

*Ablepharus grayanus* (Stoliczka, 1872)

*Ablepharus pannonicus* (Fitzinger, 1823)

*Chalcides* Laurenti, 1768

*Chalcides ocellatus* (Forskål, 1775)

*Eurylepis* Blyth, 1854

*Eurylepis taeniolatus taeniolatus* (Blyth, 1854)

*Lygosoma* Hardwick and Gray, 1827

*Lygosoma punctata* (Linnaeus, 1766)

*Mabuya* Fitzinger, 1826

*Mabuya dissimilis* (Hallowell, 1860)

*Mabuya macularia* (Blyth, 1853)

*Novoeumeces* Griffith, Ngo, and Murphy, 2000

*Novoeumeces blythianus* (J. Anderson, 1871)

*Novoeumeces indothalensis* (M.S. Khan and M.R.Z. Khan, 1997)

*Novoeumeces schneiderii zarudnyi* (Nikolsky, 1900)

*Ophiomorus* Dumeril and Bibron, 1839

*Ophiomorus blanfordi* Boulenger, 1887

*Ophiomorus brevipes* (Blanford, 1874)

*Ophiomorus raithmai* S. Anderson and Leviton, 1966

*Ophiomorus tridactylus* (Blyth, 1853)

*Scincella* Mittleman, 1950

*Scincella himalayana* (Günther, 1864)

*Scincella ladacensis* (Günther, 1864)

## Family: Uromastycidae

*Uromastyx* Merrem, 1820

*Uromastyx asmussi* (Strauch, 1863)

*Uromastyx hardwickii* Gray, 1827

## Family: Varanidae

*Varanus* Merrem, 1820

*Varanus bengalensis* (Daudin, 1802)

*Varanus flavescens* (Hardwicke and Gray, 1827)

*Varanus griseus* (Daudin, 1803)

*Varanus griseus caspius* (Eichwald, 1831)

*Varanus griseus koniecznyi* Mertens, 1954

## Ophidia: Snakes

### Family: Leptotyphlopidae

*Leptotyphlops* Fitzinger, 1843

*Leptotyphlops blanfordii* (Boulenger, 1890)

*Leptotyphlops macrorhynchus* (Jan, 1862)

### Family: Typhlopidae

*Ramphotyphlops* Fitzinger, 1843

*Ramphotyphlops braminus* (Daudin, 1803)

*Typhlops* Oppel, 1811

*Typhlops ahsanai* M.S. Khan, 1999

*Typhlops diardii* Schlegel, 1839

*Typhlops diardii platyventris* M.S. Khan, 1998

*Typhlops ductuliformes* M.S. Khan, 1999

*Typhlops madgemintonai madgemintonai* M.S. Khan, 1999

*Typhlops madgemintonai shermanai* M.S. Khan, 1999

### Family: Boidae

*Eryx* Daudin, 1803

*Eryx conicus* (Schneider, 1801)

*Eryx johnii* (Russell, 1801)

*Eryx tataricus speciosus* Zarevsky, 1915

*Python* Daudin, 1803

*Python molurus* (Linnaeus, 1758)

### Family: Colubridae

*Amphiesma* Dumeril, Bibron and Dumeril, 1854

*Amphiesma platyceps* (Blyth, 1854)

*Amphiesma sieboldii* (Günther, 1860)

*Amphiesma stolatum* (Linnaeus, 1758)

**Argyrogena** Werner, 1924

*Argyrogena fasciolata* (Shaw, 1802)

**Boiga** Fitzinger, 1826

*Boiga melanocephala* (Annandale, 1904)

*Boiga trigonata* (Schneider, 1802)

**Coluber** Linnaeus, 1758

*Coluber karelini karelini* Brandt, 1838

*Coluber karelini mintonorum* Mertens, 1969

**Enhydris** Sonnini and Latreille, 1802

*Enhydris pakistanica* Mertens, 1959

**Hemorrhois** Boie, 1826

*Hemorrhois ravergieri* (Ménétriés, 1832)

**Lycodon** Boie, 1826

*Lycodon aulicus aulicus* (Linnaeus, 1758)

*Lycodon striatus* Shaw, 1802

*Lycodon striatus bicolor* (Nikolsky, 1903)

*Lycodon striatus striatus* (Shaw, 1802)

*Lycodon travancoricus* (Beddome, 1870)

**Lytorhynchus** Peters, 1862

*Lytorhynchus maynardi* Alcock and Finn, 1896

*Lytorhynchus paradoxus* (Günther, 1875)

*Lytorhynchus ridgewayi* Boulenger, 1887

**Natrix** Laurenti, 1768

*Natrix tessellata* (Laurenti, 1768)

**Oligodon** Boie, 1827

*Oligodon arnensis* (Shaw, 1802)

*Oligodon taeniolatus* (Jerdon, 1853)

**Platyceps** Blyth, 1860

*Platyceps rhodorachis kashmirensis* (M. S. Khan and A. Q.Khan, 2000)

*Platyceps rhodorachis ladacensis* (J. Anderson, 1871)

*Platyceps rhodorachis rhodorachis* (Jan, 1865)

*Platyceps ventromaculatus bengalensis* (M. S. Khan and A. Q.Khan, 2000)

*Platyceps ventromaculatus indusai* (M. S. Khan and A. Q. Khan, 2000)

*Platyceps ventromaculatus ventromaculatus* (Gray and Hardwicke, 1834)

**Psammophis** Fitzinger, 1826

*Psammophis condanarus* (Merrem, 1820)

*Psammophis leithii leithii* Günther, 1869

*Psammophis lineolatus lineolatus* (Brandt, 1838)

*Psammophis schokari schokari* (Forskål, 1775)

**Pseudocyclophis** Boettger, 1888

*Pseudocyclophis persicus* (J.Anderson, 1872)

**Ptyas** Fitzinger, 1843

*Ptyas mucosus* (Linnaeus, 1758)

**Sibynophis** Fitzinger, 1843

*Sibynophis sagittarius* (Cantor, 1839)

**Spalerosophis** Jan, 1865

*Spalerosophis arenarius* (Boulenger, 1890)

*Spalerosophis diadema diadema* (Schlegel, 1837)

*Spalerosophis diadema atriceps* (Fisher, 1885)

*Spalerosophis schirazianus* (Jan, 1865)

*Telescopus* Wagner, 1830

*Telescopus rhinopoma* (Blanford, 1874)

*Xenochrophis* Günther, 1864

*Xenochrophis cerasogaster cerasogaster* (Cantor, 1839)

*Xenochrophis piscator piscator* (Schneider, 1799)

*Xenochrophis sanctijohannis* (Boulenger, 1890)

## Family: Elapidae

*Bungarus* Daudin, 1803

*Bungarus caeruleus caeruleus* (Schneider, 1801)

*Bungarus sindanus razai* M. S. Khan, 1985

*Bungarus sindanus sindanus* Boulenger, 1847

*Naja* Laurenti, 1768

*Naja naja* (Linnaeus, 1758)

*Naja oxiana* (Eichwald, 1831)

## Family: Hydrophiidae

*Astrotia* Fisher, 1856

*Astrotia stokesii* (Gray, 1846)

*Enhydrina* Gray, 1849

*Enhydrina schistosa* (Daudin, 1803)

*Hydrophis* Latreille, 1802

*Hydrophis caeruleus* (Shaw, 1802)

*Hydrophis cyanocinctus* Daudin, 1803

*Hydrophis fasciatus* (Schneider, 1799)

*Hydrophis lapemoides* (Gray, 1849)

*Hydrophis mamillaris* (Daudin, 1803)

*Hydrophis ornatus* (Gray, 1842)

*Hydrophis spiralis* (Shaw, 1802)

*Lapemis* Gray, 1835

*Lapemis curtus* (Shaw, 1802)

*Microcephalophis* Lesson, 1834

*Microcephalophis cantoris* (Günther, 1864)

*Microcephalophis gracilis* (Shaw, 1802)

*Pelamis* Daudin, 1803

*Pelamis platurus* (Linnaeus, 1766)

*Praescutata* Wall, 1921

*Praescutata viperina* (Ph. Schmidt, 1852)

## Family: Viperidae

*Daboia* Gray, 1842

*Daboia russelii russelii* (Shaw and Nodder, 1797)

*Echis* Merrem, 1820

*Echis carinatus* (Schneider, 1820)

*Echis carinatus astolae* Mertens, 1969

*Echis carinatus multisquamatus* Cherlin, 1981

*Echis carinatus sochureki* Stemmler, 1964

*Eristicophis* Alcock and Finn, 1896

*Eristicophis macmahonii* Alcock and Finn, 1897

*Macrovipera* Reuss, 1927

*Macrovipera lebetina obtusa* (Dwigubsky, 1832)

*Pseudocerastes* Boulenger, 1896

*Pseudocerastes bicornis* Wall, 1913

*Pseudocerastes persicus* (Duméril, Bibron, and  
Duméril, 1854)

## Family: Crotalidae

*Gloydus* Hoge and Romano-Hoge, 1981

*Gloydus himalayanus* (Günther, 1864)

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