

## *Glyptothorax giudikyensis*, a new species of catfish (Teleostei: Sisoridae) from Manipur, India

**Laishram Kosygin\*, Pratima Singh\*\* and Shantabala Devi Gurumayum\*\*\***

*Glyptothorax giudikyensis*, a new species, is described from the Barak-Meghna-Surma River drainage in Manipur, north-east India. It is distinguished from its congeners except, *G. scrobiculus* in having a furrow running along the entire length of the ventral surface of the pectoral spine. However, the new species differs from *G. scrobiculus* in having a posteriorly serrated (vs. smooth) dorsal spine, longer caudal peduncle, shorter head length, shorter adipose-fin base, more abdominal vertebrae (22–23 vs. 19–20) and presence (vs. absence) of numerous tubercles on the pectoral and pelvic-fin rays.

### Introduction

*Glyptothorax* is the most diverse and the most widely distributed sisorid catfish genus, known from the Euphrates River drainage of eastern Turkey eastward to the Yangtze River drainage and southwards to the Indian subcontinent and the Greater Sunda Islands (Ferraris & Britz, 2005; Ng & Kottelat, 2008). The members of the genus inhabit the hill streams and faster-flowing stretches of larger rivers. The genus is very diverse in the Indian sub-continent, although the taxonomy of

Indian *Glyptothorax* is poorly understood (Ng, 2005). Eight species of *Glyptothorax* have been recorded from the Barak-Meghna-Surma drainage viz., *G. cavia*, *G. clavatus*, *G. dikrongensis*, *G. indicus*, *G. maceriatus*, *G. manipurensis*, *G. scrobiculus* and *G. telchitta*. During ichthyological surveys conducted in the Barak-Meghna-Surma River drainage in Manipur, India, four specimens of an unnamed *Glyptothorax* from the Giudiky stream near Langpram village were collected, which represent a new species described herein as *Glyptothorax giudikyensis*.

---

\* Zoological Survey of India, Freshwater Fish Section, 27 J. L. Nehru Road, Kolkata-700016, India. E-mail: lkzsi5@yahoo.com (corresponding author)

\*\* NIS Management Ltd., 489, Madurdah, Kalikapur, Kolkata-700107, India.  
 E-mail: singhpratimakol@gmail.com

\*\*\* Zoological Survey of India, Arunachal Pradesh Regional Centre, Senki Valley, Itanagar-791113, Arunachal Pradesh, India. E-mail: santaguru@rediffmail.com

## Literature cited

- Anganthoibi, N. & W. Vishwanath. 2010a. Two new species of *Glyptothorax* from the Koladyne basin, Mizoram, India (Teleostei: Sisoridae). Ichthyological Exploration of Freshwaters, 21: 323–330.
- Anganthoibi, N. & W. Vishwanath. 2010b. *Glyptothorax chintuipuiensis*, a new species of catfish (Teleostei: Sisoridae) from the Koladyne basin, India. Zootaxa, 2628: 56–62.
- Anganthoibi, N. & W. Vishwanath. 2013. *Glyptothorax pantherinus*, a new species of catfish (Teleostei: Sisoridae) from the Noa Dehing River, Arunachal Pradesh, India. Ichthyological Research, 60: 172–177.
- Arunkumar, L. 2016. *Glyptothorax pasighatensis*, a new species of catfish (Teleostei: Sisoridae) from Arunachal Pradesh, northeastern India. International Journal of Pure and Applied Zoology, 4: 179–185.
- Arunkumar, L. & W. A. Moyon. 2017. *Glyptothorax chavomensis* sp. nov. (Teleostei: Sisoridae) with its congeners from Manipur, North-Eastern India. International Journal of Zoology Studies, 2: 242–254.
- Darshan, A., R. Dutta, A. Kachari, B. Gogoi & D. N. Das. 2015. *Glyptothorax mibangi*, a new species of catfish (Teleostei: Sisoridae) from the Tisa River, Arunachal Pradesh, northeast India. Zootaxa, 3962: 114–122.
- Ferraris, C. J. & R. Britz. 2005. A diminutive new species of *Glyptothorax* (Siluriformes: Sisoridae) from the upper Irrawaddy River basin, Myanmar, with comments on sisorid and erethistid phylogenetic relationships. Ichthyological Exploration of Freshwaters, 16: 375–383.
- Hora, S. L. 1921. Fish and fisheries of Manipur with some observations on those of Naga Hills. Records of the Indian Museum, 22: 180–182.
- Javed, M. N., S. Kalsoom, K. Pervaiz, M. R. Mirza & Azizullah. 2013. Catfishes of the genus *Glyptothorax* Blyth (Pisces: Sisoridae) from Pakistan. Biologia, 59: 69–83.
- Jayaram, K. C. 2006. Catfishes of India. Narendra Publishing House, Delhi, 383 pp.
- Kosygin, L., U. Das, P. Singh & B. R. Chowdhury. 2019. *Glyptothorax gopii*, a new species of catfish (Teleostei: Sisoridae) from Mizoram, north-eastern India. Zootaxa, 4652: 568–578.
- Kosygin, L., P. Singh & S. Mitra. 2020. *Glyptothorax kailashi*, a new species of catfish (Teleostei: Sisoridae) from Mizoram, India. Ichthyological Exploration of Freshwaters, IEF-1126: 1–7.
- Lalramliana & R. Vanlalhriata. 2010. First record of sisorid catfish *Glyptothorax indicus* Talwar, 1991 (Teleostei: Sisoridae) from Mizoram, India. Science Vision, 10: 137–142.
- Ng, H. H. 2005. *Glyptothorax botius* (Hamilton, 1822), a valid species of catfish (Teleostei: Sisoridae) from northeast India, with notes on the identity of *G. telchitta* (Hamilton, 1822). Zootaxa, 930: 1–19.
- Ng, H. H. & J. J. Dodson. 1999. Morphological and genetic descriptions of a new species of catfish, *Hemibagrus chrysops*, from Sarawak, east Malaysia, with an assessment of phylogenetic relationships (Teleostei: Bagridae). The Raffles Bulletin of Zoology, 47: 45–57.
- Ng, H. H. & M. Kottelat. 2008. *Glyptothorax rugimentum*, a new species of catfish from Myanmar and western Thailand (Teleostei: Sisoridae). The Raffles Bulletin of Zoology, 56: 129–134.
- Ng, H. H. & S. O. Kullander. 2013. *Glyptothorax igniculus*, a new species of sisorid catfish (Teleostei: Siluriformes) from Myanmar. Zootaxa, 3681: 552–562.
- Ng, H. H. & Lalramliana. 2012a. *Glyptothorax scrobiculosus*, a new species of sisorid catfish (Osteichthyes: Siluriformes) from northeastern India. Ichthyological Exploration Freshwaters, 23: 1–9.
- Ng, H. H. & Lalramliana. 2012b. *Glyptothorax maceriatus*, a new species of sisorid catfish (Actinopterygii: Siluriformes) from north-eastern India. Zootaxa, 3416: 44–52.
- Ng, H. H. & Lalramliana. 2013. *Glyptothorax radiolus*, a new species of sisorid catfish (Osteichthyes: Siluriformes) from northeastern India, with a re-description of *G. striatus* McClelland 1842. Zootaxa, 3682: 501–512.
- Premanova, N., L. Kosygin & B. Saidullah. 2015. *Glyptothorax senapatiensis*, a new species of catfish (Teleostei: Sisoridae) from Manipur, India. Ichthyological Exploration of Freshwaters, 25: 323–329.
- Rameshori Y. & W. Vishwanath. 2012a. A new catfish of the genus *Glyptothorax* from the Kaladan basin, Northeast India (Teleostei: Sisoridae). Zootaxa, 3538: 79–87.
- Rameshori Y. & W. Vishwanath. 2012b. *Glyptothorax jayarami*, a new species of catfish (Teleostei: Sisoridae) from Mizoram, northeastern India. Zootaxa, 3304: 54–62.
- Rameshori Y. & W. Vishwanath. 2012c. *Glyptothorax verrucosus*, a new sisorid catfish species from the Koladyne basin, Mizoram, India (Teleostei: Sisoridae). Ichthyological Exploration of Freshwaters, 23: 147–154.
- Rameshori Y. & W. Vishwanath. 2014. *Glyptothorax clavatus*, a new species of sisorid catfish from Manipur, northeastern India (Teleostei: Sisoridae). Ichthyological Exploration of Freshwaters, 25: 185–192.
- Roberts, T. R. 1994. Systematic revision of Asian bagrid catfishes of the genus *Mystus* sensu stricto, with a new species from Thailand and Cambodia. Ichthyological Exploration of Freshwaters, 5: 241–256.
- Tamang, L. & S. Chaudhry. 2011. *Glyptothorax dikrongensis*, a new species of catfish (Teleostei: Sisoridae) from Arunachal Pradesh, northeastern India. Ichthyological Research, 58: 1–9.
- Vishwanath, W. & I. Linthoingambi. 2005. A new sisorid catfish of the genus *Glyptothorax* Blyth from Manipur, India. Journal of the Bombay Natural History Society, 102: 201–203.

Vishwanath, W. & I. Linthoingambi. 2007. Fishes of the genus *Glyptothorax* Blyth (Teleostei: Sisoridae) from Manipur, India, with description of three new species. Zoos' Print Journal, 22: 2617–2626.

Received 19 December 2019

Revised 18 February 2020

Accepted 27 April 2020

# **The whole contribution can be purchased as PDF file.**

## **Availability**

Generally all our publications are available as PDF files; full publications as a general rule after the printed version is out of print. If you have questions concerning particular contributions please contact us by e-mail:  
[pdf@pfeil-verlag.de](mailto:pdf@pfeil-verlag.de).

## **The PDF files are protected by copyright.**

The PDF file may be printed for personal use. The reproduction and dissemination of the content or part of it is permitted. It is not allowed to transfer the digital personal certificate or the password to other persons.

## **Prices**

Books: Prices are to be found in the catalog.

Articles in journals and single contributions or chapters in books:

10 EURO basic price per order (including the first 10 pages),  
and

0,50 EURO per page, beginning with the 11<sup>th</sup> page.

Page numbers are found in the contents of the publications.

## **Orders**

Orders can be sent to us via the online shop, by using the PDF order form, or informally by e-mail ([pdf@pfeil-verlag.de](mailto:pdf@pfeil-verlag.de)). All we need is your name and address for invoicing. You will then receive an order confirmation incl. price and link for the payment processing. For orders via the online shop and immediate payment, the file can be provided without detours.

## **Completion**

As soon as possible, but depending on our office hours and the desired order, we will send you the order confirmation. After payment you will receive the PDF file(s) together with your personal certificate and the corresponding password by e-mail. Larger files are available for downloading. You will receive the invoice for your order by e-mail.

In order to be able to open the encrypted PDF files, the password-protected personal certificate must be installed at the first order, which then remains on the computer. All files encrypted with this certificate can then be opened on this computer.

# **Dieser Beitrag kann als PDF-Datei erworben werden.**

## **Verfügbarkeit von PDF-Dateien**

Prinzipiell sind von allen unseren Publikationen PDF-Dateien erhältlich. Komplette Publikationen in der Regel erst nachdem die gedruckte Version vergriffen ist. Anfragen bezüglich bestimmter Beiträge richten Sie bitte per E-Mail an [pdf@pfeil-verlag.de](mailto:pdf@pfeil-verlag.de).

## **Die PDF-Dateien sind urheberrechtlich geschützt.**

Ein Ausdruck der PDF-Dateien ist nur für den persönlichen Gebrauch erlaubt.

Die Vervielfältigung von Ausdrucken, erneutes Digitalisieren sowie die Weitergabe von Texten und Abbildungen sind nicht gestattet.

Das persönliche Zertifikat und das Passwort dürfen nicht an Dritte weitergegeben werden.

## **Preise**

Bücher: Die Preise sind dem Katalog zu entnehmen. Zeitschriftenbeiträge und einzelne Kapitel aus Sammelbänden bzw. Büchern:

10 EURO Grundbetrag pro Bestellung (einschließlich der ersten 10 Seiten),  
und

0,50 EURO pro Seite ab der 11. Seite.

Den Umfang der Beiträge entnehmen Sie bitte den Inhaltsverzeichnissen.

## **Bestellungen**

Bestellungen können über den online-Shop, das Formular, oder formlos per E-Mail ([pdf@pfeil-verlag.de](mailto:pdf@pfeil-verlag.de)) an uns gerichtet werden. Wir benötigen nur Ihren Namen und Ihre Anschrift für die Rechnungserstellung. Sie erhalten anschließend eine Bestellbestätigung incl. Preis und Link zur Zahlungsabwicklung. Bei Bestellungen über den online-Shop und sofortiger Zahlung kann die E-Book-Datei ohne Umwege bereitgestellt werden.

## **Abwicklung**

So bald wie möglich, aber abhängig von unseren Bürozeiten und der gewünschten Bestellung, schicken wir Ihnen die Bestellbestätigung. Nach Zahlungseingang erhalten Sie die PDF-Datei(en) zusammen mit Ihrem persönlichen Zertifikat und dem zugehörigem Passwort per E-Mail. Größere Dateien bieten wir Ihnen gegebenenfalls zum Herunterladen an. Die Rechnung für Ihre Bestellung erhalten Sie per E-Mail.

Um die verschlüsselten PDF-Dateien öffnen zu können, muss bei der ersten Bestellung das passwortgeschützte persönliches Zertifikat installiert werden, welches anschließend auf dem Rechner verbleibt. Alle mit diesem Zertifikat verschlüsselten Dateien können dann auf diesem Rechner geöffnet werden.