

## A NEW SPECIES OF SORDARIA

DURING August 1962, a species of *Sordaria* was found associated with the fruits of *Prunus persica* Stokes. Detailed morphological studies indicated it to be different from all the known species of *Sordaria*. In the shape of the perithecia and asci the present isolate showed some resemblance to *S. bosensis* Das,<sup>1</sup> but differed on account of its rounded or oval ascospores, provided with fine gelatinous sheath. The present isolate is, therefore, described as *Sordaria indica* sp. n.

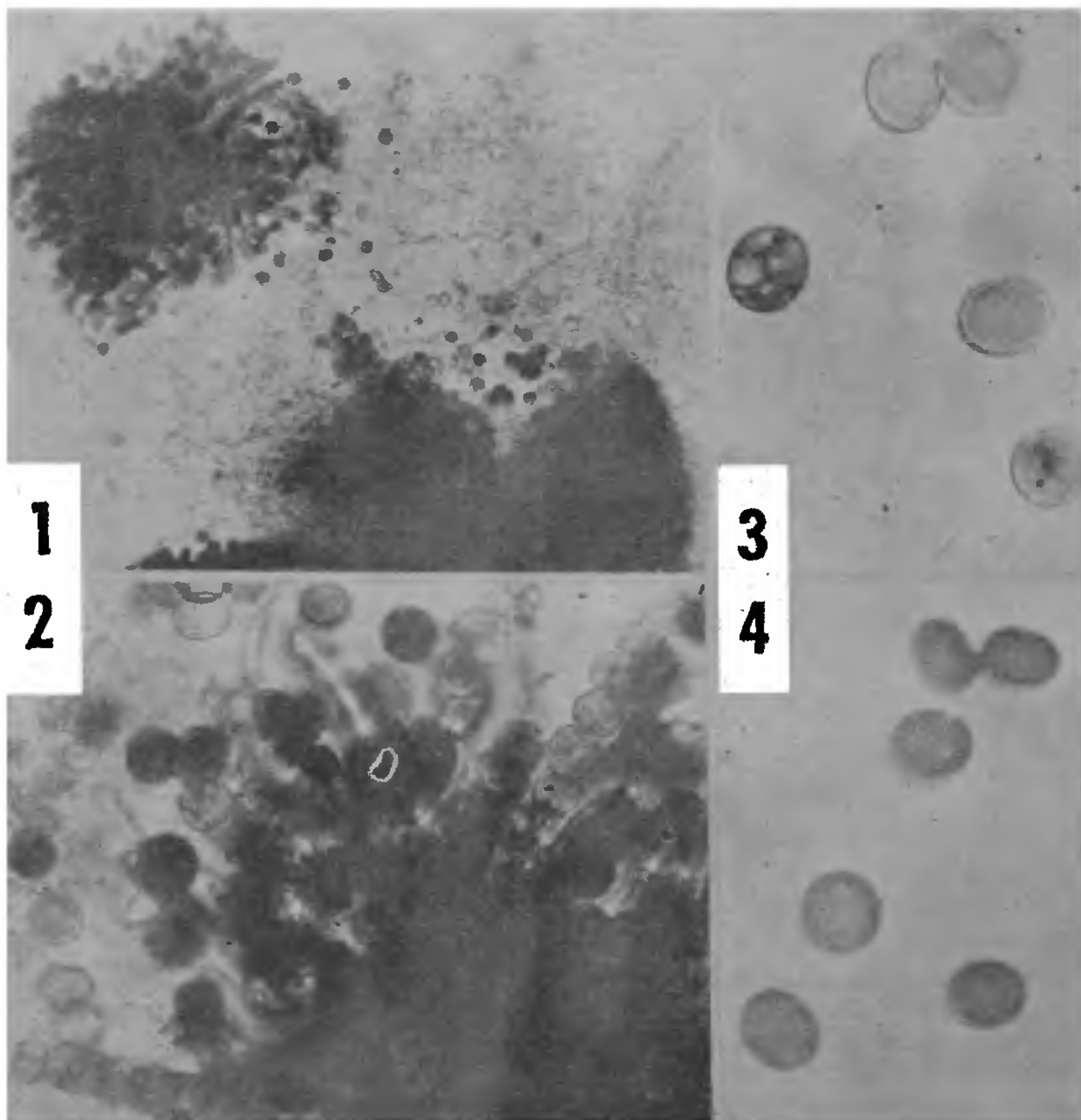
*Sordaria indica* SPEC. NOV.

Coloniæ in agar maltoso 2% primo roseæ, tum luteolorubræ, patentés, mycelio æreo sparso. Hyphæ tenués, ramosæ, septatæ, 2.5–3.5  $\mu$  crassæ. Perithecia dispersa, distincta vel

gregaria, superficialia, sphærica vel ovoidea, 155–315  $\mu$  diam., luteola, vestita pilis minutis septatis flexuosis. Peridium tenue et membranaceum. Asci octospori, cylindrici, recti vel vix curvi, 65–85  $\times$  10–13  $\mu$ . Paraphyses nullæ. Ascosporæ 9.0–14.5  $\mu$  (med. 11.7  $\mu$ ), uniseriatæ, uniguttulatæ, unicellulares, rotundæ vel ovales, singulæ ornatæ vagina tenui mucosa et unico germinationis poro, hyalinæ primo, ad maturitatem evadentes olivaceo-nigræ et nontranslucidæ.

In fructibus *Pruni persicæ* Stokes, in fructuum emporio ad Chowk, in Alladabad, mense augusto 1962. Cultura typica posita in Instituto Mycologico ad Hortum Kewensem, in Anglia sub numero IMI 100483.

*Sordaria indica* sp. nov.—Colonies on 2% malt agar at first pink, then yellowish-red, spreading



FIGS. 1–4. *Sordaria indica*. Fig. 1. Perithecium, asci and ascospores,  $\times$  200. Fig. 2. Asci,  $\times$  600. Fig. 3. Semimature ascospores showing gelatinous sheath,  $\times$  800. Fig. 4. Mature ascospores,  $\times$  700.

with sparse aerial mycelium. Hyphæ thin, branched, septate,  $2.5-3.5 \mu$  in thickness. Perithecia scattered, separate or gregarious, superficial, spherical or ovoid,  $155-315 \mu$  in diameter, yellowish-brown in colour, covered with small septate flexuous hairs. Peridium thin and membranous. Asci 8-spored, cylindrical, straight or very slightly curved,  $65-85 \times 10-13 \mu$ . Paraphyses absent. Ascospores  $9.0-14.5 \mu$  (mean  $11.7 \mu$ ), uniseriate, uniguttulate, one-celled, rounded or oval, each having a fine gelatinous sheath and a single very minute germ pore, hyaline when young, changing to olivaceous black and opaque at maturity (Figs. 1-4).

On fruits of *Prunus persica* Stokes, Fruit Market, Chowk, Allahabad, August, 1962. Type culture has been deposited at the Commonwealth Mycological Institute, Kew, England, Herb. No. IMI 100483.

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1. Das, A. C., *Trans. Brit. mycol. Soc.*, 1962, 45 (4), 545.