

# MARINE ENVIRONMENTAL RESEARCH

AN INTERNATIONAL JOURNAL

*Senior Editor:*

DR. G.W. HEATH  
Taverton Mill House  
Tavistock  
Devon PL19 9JL, England  
Tel: 0822 3560

*U.S. Regional Editors:*

DR. G. ROESIADI  
Battelle Pacific North West Division  
Washington Harbor Road  
Sequim, Washington 98382, USA  
DR. R.B. SPIES  
Lawrence Livermore National Laboratory  
University of California, Livermore  
California 94550, USA

Ref. No. MER 233 H106

22-6-82.

"Toxic effects of certain heavy metals...  
Scylla serrate"

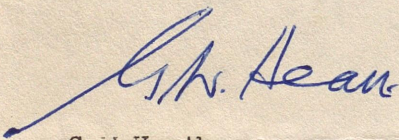
Dear DR. Krishnaja,

This is to let you know that the mss of the paper that you have sent to me has safely arrived. I will now arrange to have it reviewed. Whilst we will try to be as quick as we can with the review process, I am sure that you will appreciate that it sometimes takes a little while to complete, particularly if reviewers are away, or correspondence between them and the editor becomes necessary.

At the head of this letter you will find a reference number for your paper, it will be helpful to us if you could be good enough to use the number in any correspondence with us.

Thank you for sending your paper to us for consideration for publication in Marine Environmental Research.

Yours sincerely



G W Heath

# MARINE ENVIRONMENTAL RESEARCH

AN INTERNATIONAL JOURNAL

*Senior Editor:*

DR. G.W. HEATH  
Taviton Mill House  
Tavistock  
Devon PL19 9JL, England  
Tel: 0822 3560

*U.S. Regional Editors:*

DR. G. ROESIADI  
Battelle Pacific North West Division  
Washington Harbor Road  
Sequim, Washington 98382, USA  
DR. R.B. SPIES  
Lawrence Livermore National Laboratory  
University of California, Livermore  
California 94550, USA

Ref. No. MER 233/H106.

23/9/82.

Dear Dr. Krishnaja,

I am pleased to say that we have now completed the review process of your paper entitled;

"Toxic effects of certain heavy metals... Scylla serrata."

I am attaching a copy of the review comments, you will see that some suggestions are made with regard to amendments, before I formally accept the paper for publication I would appreciate your reaction to these comments and in particular hear if you are able and willing to make the suggested amendments

Yours sincerely

S. P. Heath.

G W Heath

P.P. DR. G.W. Heath.

Dr. (Miss) KRISHNAJA, A. P.  
M.Sc., Ph.D.

198/5446 Vishwamohini,  
Pantnagar,  
Ghatkopar East,  
Bombay - 400 075.

October 14, 1982.

Dear Dr. Heath,

This has reference to your letter No. MER 233/H 106 dated 23-9-82.

I thank you for forwarding the review comments on our paper entitled "Toxic effects of certain heavy metals ..... Scylla serrata". I give below a brief explanation as desired by the referee.

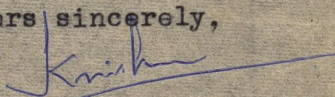
We considered the points given below in selecting high concentrations of metals (24-96 h. LC50 values and sublethal concentrations based on these values were selected for use in 30 days long-term exposure) as opposed to levels which would be considered environmentally realistic:

1. Continuous low level exposure to these metals may result in higher body concentrations due to bioaccumulation, one of the most important biological properties of metals.
2. Efficient enrichment of metals from one trophic level to another along the food chain.
3. Increase in toxicity with ~~long~~ longer time of exposure as noticed in the case of Cadmium here (6.6-fold increase with time of exposure).

Lastly, as the referee himself has pointed out "this is understandable to some extent in terms of obtaining responses to the toxic metals".

Thanking you once again and with best wishes.

Yours sincerely,

  
Dr. (Miss) Krishnaja, A.P.

Dr. G. W. Heath,  
Taverton Mill House,  
Tavistock.  
Devon PL19 9JL.  
England.

H 106

## 'Marine Environmental Research'

Referees Report

Toxic effects of certain heavy metals (Hg, Cd, Pb, As and Se) on the intertidal crab Scylla serrata. Krishnaja, et al.

The results reported in this manuscript are interesting and should be published. However, it is recommended that the authors should be requested to provide an explanation in the text of their reasons for the use of high concentrations of metals as opposed to levels which would be considered environmentally realistic. This is understandable to some extent in terms of obtaining responses to the toxic metals but such responses may well differ at lower concentrations such as those likely to occur in contaminated environments.

The experimental methods are well defined and the results and discussion are concise and clearly stated.

Minor points are indicated in the text and margins.

# MARINE ENVIRONMENTAL RESEARCH

AN INTERNATIONAL JOURNAL

*Senior Editor:*

DR. G.W. HEATH  
Tavton Mill House  
Tavistock  
Devon PL19 9JL, England  
Tel: 0822 3560

*U.S. Regional Editors:*

DR. G. ROESIADI  
Battelle Pacific North West Division  
Washington Harbor Road  
Sequim, Washington 98382, USA  
DR. R.B. SPIES  
Lawrence Livermore National Laboratory  
University of California, Livermore  
California 94550, USA

Ref. No. MER 233/H100

25 October 1982.

Dear DR. KRISHNAJA,

Thank you for sending me the revised version of your paper of above reference, entitled: (short title)

"Toxic effects of certain heavy metals  
... scylla serrata."

I am pleased to say that I can now accept the paper for publication. I cannot at this stage let you know which number of the Journal it will appear in, but it will shortly be in the hands of the publishers. Further correspondence on the subject will be with them, but it would be helpful if you could continue to use the reference number at the head of this letter. Thank you for sending your paper to Marine Environmental Research for publication, I look forward to having further papers from you.

Yours sincerely

S. P. Heath.

P.P. G W Heath

initial on 25. 10. 82.

# MARINE ENVIRONMENTAL RESEARCH

AN INTERNATIONAL JOURNAL

*Senior Editor:*

DR. G. W. HEATH  
Tavton Mill House  
Tavistock  
Devon PL19 9JL, England  
Tel: 0822 3560

*U.S. Regional Editors:*

DR. G. ROESIADI  
Battelle Pacific North West Division  
Washington Harbor Road  
Sequim, Washington 98382, USA  
DR. R. B. SPIES  
Lawrence Livermore National Laboratory  
University of California, Livermore  
California 94550, USA

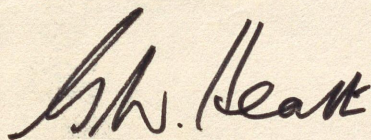
Ref. MER 233/H106

27. Nov. 1971

Dear Dr. Krishnaja

I write about your paper of above ref which indicated some long time ago that I was prepared to publish. I am sorry that it seems to have been overlooked but confusion arose because it seemed that we were awaiting a revised version from you. In such a case the paper is put aside until the revise arrives, but in checking through the outstanding papers it appears that you had replied to the review comments in sufficient detail for us to accept the paper as it stands. Since such a long time has elapsed I would be grateful for your confirmation that you still wish the paper to be published. My apologies for the confusion.

Your sincerely



G W Heath

Dr. Miss KRISHNAJA, A. P.,  
Medical Division,  
Modular Laboratories,  
Bhabha Atomic Research Centre,  
Trombay, Bombay 400 085,

December 10, 1984.

Dear Dr. Heath,

Thank you very much for your letter No. MER233/H106 dated  
November 27, 1984.

I was wondering of the inordinate delay in the publication  
of our paper which you had agreed to publish. The above cited  
letter explains the cause of delay. Now that this manuscript was  
with you so long and that you had accepted the same for publication,  
I feel that this may be published in your Journal. I therefore  
request you to go ahead with its publication and hope that this may  
be done without any further delay.

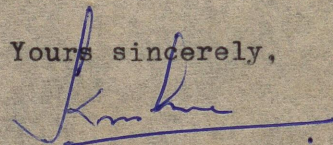
I further request you to clearly mention the date of acceptance  
of the manuscript and put an asterik on the name (Krishnaja, A.P.)  
and mention the present address as below:-

Dr. Kishnaja, A.P.,  
Medical Division,  
Modular Laboratories,  
Bhabha Atomic Research Centre,  
Trombay, Bombay 400 085. India.

Reprints may also be send to the above address.

Wishing you a Merry Christmas and Happy New Year,

Yours sincerely,

  
(Krishnaja, A.P.)

Dr. G. W. Heath,  
Senior Editor,  
Marine Environmental Research.  
Taviton Mill House,  
Tavistock,  
Devon PL19 9JL  
England.

with in on 26-3-86

9-6-85  
with in on

# MARINE ENVIRONMENTAL RESEARCH

AN INTERNATIONAL JOURNAL

*Senior Editor*

DR. G. W. HEATH  
Tavton Mill House  
Tavistock  
Devon PL19 9JL, England  
Tel: 0822 3560

*U.S. Regional Editors:*

DR. G. ROESIJADI  
Pennsylvania State University  
Department of Biology  
208 Erwin W. Mueller Laboratory  
University Park  
Pennsylvania 16802, USA

DR. R. B. SPIES  
Lawrence Livermore National Laboratory  
University of California, Livermore  
California 94550, USA

20th May 1986

Dr. A.P. Krishnaja,  
Medical Division,  
Modular Laboratories,  
BRAC,  
Bombay,  
INDIA.

Dear Dr. Krishnaja,

This is to let you know that your paper entitled;  
"Toxic effects of certian heavy metals ( Hg, Cd, Pb, As and Se) on the  
intertidal Crab Scylla serrata." Reference Number MER 233 / H 106.  
has now been sent to the printers whose address is at the bottom of this letter,  
further correspondence regarding proofs and reprints should be with them.  
please remember to use the reference number of your paper in any letters  
you may send.

I am very sorry for the long delay that seems to have befallen  
your paper and hope you can accept our ~~ap~~ologies.

Thank you for sending your paper to Marine Environmental  
Research and we look forward to recieving more of your work in the  
future.

Yours sincerely

*W. Heath*

PP. G.W. Heath.

# MARINE ENVIRONMENTAL RESEARCH

AN INTERNATIONAL JOURNAL

Senior Editor:  
DR. G.W. HEATH  
Taviton Mill House  
Tavistock  
Devon PL19 9JL, England  
Tél: 0822 3560

U.S. Regional Editors:  
DR. G. ROESIADI  
Battelle Pacific North West Division  
Washington Harbor Road  
Sequim, Washington 98382, USA  
DR. R.B. SPIES  
Lawrence Livermore National Laboratory  
University of California, Livermore  
California 94550, USA

Ref. MER 233/14100

15 Jan.

Dear Miss Krishnaya,

Thank you for your letter.  
Your paper is in the hands of the  
publishers - I hope you hear soon.  
Sorry it takes so long we have so  
many papers to publish

Yours sincerely

G.W. Heath