

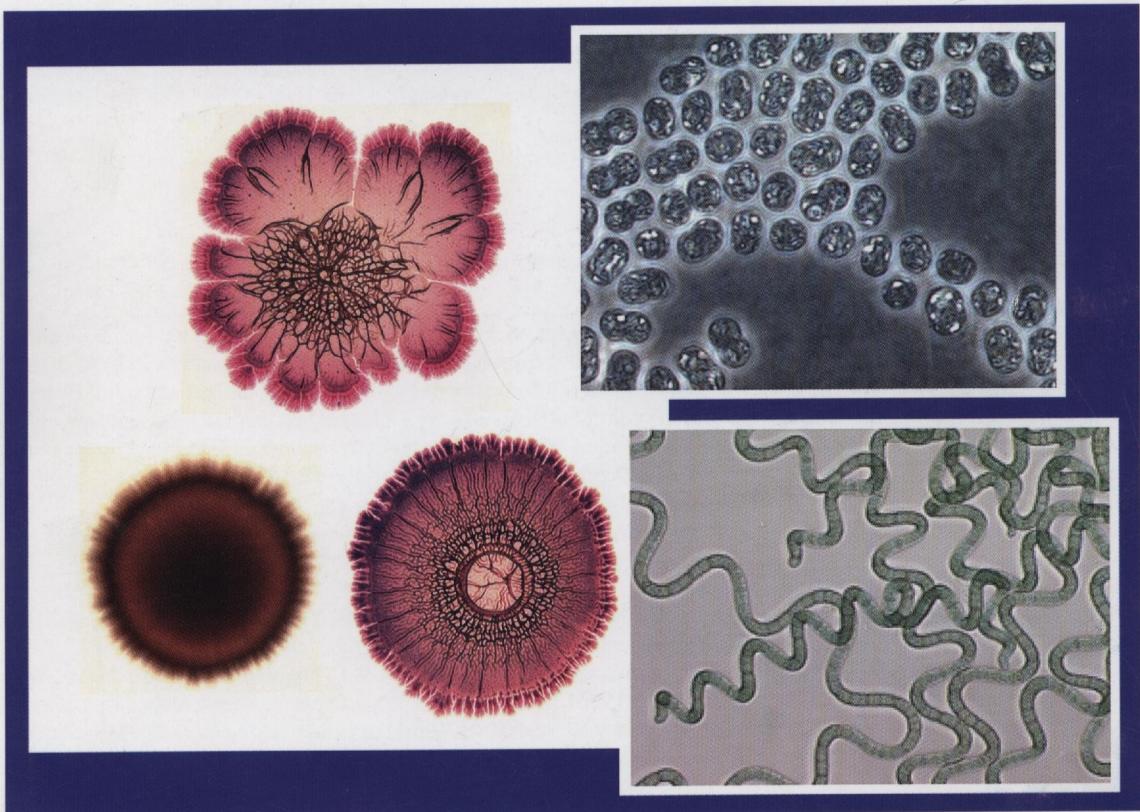


INSTITUT PASTEUR

ISSN 0923-2508

Research in Microbiology

Established in 1887 as the 'Annales de l'Institut Pasteur'



ELSEVIER

Vol. 160



Vol. 160, No. 2, March, 2009



CONTENTS

Cited/abstracted in: Biological Abstracts/Biosis, CNRS/Pascal, Current Contents (Life Sciences), Excerpta Medica/EMbase, Index Medicus/Medline, Science Citation Index, Scopus.

ORIGINAL ARTICLES

Ecology and population dynamics

Effect of soil sample preservation, compared to the effect of other environmental variables, on bacterial and eukaryotic diversity

- V.A. Tzeneva, J.F. Salles, N. Naumova, W.M. de Vos, P.J. Kuikman, J. Dolffing, H. Smidt 89

Heavy metal resistance of some thermophiles: potential use of α -amylase from *Anoxybacillus amylolyticus* as a microbial enzymatic bioassay

- A. Poli, A. Salerno, G. Laezza, P. di Donato, S. Dumontet, B. Nicolaus 99

Characterization by culture and molecular analysis of the microbial diversity of a deep subsurface gas storage aquifer

- O. Basso, J.-F. Lascourreges, F. Le Borgne, C. Le Goff, M. Magot 107

Physiology and metabolism

High salt stress in *Bacillus subtilis*: involvement of PBP4* as a peptidoglycan hydrolase

- M.M. Palomino, C. Sanchez-Rivas, S.M. Ruzal 117

Microbe environment interactions

Cloning, purification and characterization of *Geobacillus stearothermophilus* V uroporphyrinogen-III

C-methyltransferase: evaluation of its role in resistance to potassium tellurite in *Escherichia coli*

- M.A. Araya, J.C. Tantaleán, J.M. Pérez, D.E. Fuentes, I.L. Calderón, C.P. Saavedra, R. Burra, T.G. Chasteen, C.C. Vásquez 125

***Bacillus subtilis* isolated from the human gastrointestinal tract**

- H.A. Hong, R. Khaneja, N.M.K. Tam, A. Cazzato, S. Tan, M. Urdaci, A. Brisson, A. Gasbarrini, I. Barnes, S.M. Cutting 134

Use of quorum sensing inhibitors to interfere with biofilm formation and development in *Burkholderia multivorans* and *Burkholderia cenocepacia*

- G. Brackman, U. Hillaert, S. Van Calenbergh, H.J. Nelis, T. Coenye 144

Molecular genetics and genomics

The role of AmpR in regulation of L1 and L2 β -lactamases in *Stenotrophomonas maltophilia*

- C.-W. Lin, Y.-W. Huang, R.-M. Hu, K.-H. Chiang, T.-C. Yang 152

Presence of duplicate genes encoding a phylogenetically new subgroup of form I ribulose 1,5-bisphosphate carboxylase/oxygenase in *Mycobacterium* sp. strain JC1 DSM 3803

- S.W. Park, E.H. Hwang, H.S. Jang, J.H. Lee, B.S. Kang, J.I. Oh, Y.M. Kim 159

Virus of prokaryotes

Genomic and proteomic characterization of a thermophilic *Geobacillus* bacteriophage GBSV1

- B. Liu, F. Zhou, S. Wu, Y. Xu, X. Zhang 166