

## Index of Authors

- AALMEN, I. *see* KAPPERUD, G.  
 ADAMS, J. E. *see* O'NEILL, G.  
 ADRIAN, P. V. *see* SHANAHAN, P. M. A.  
 ALONSO, R., AUCKEN, H. M., PEREZ-DIAZ, J. C., COOKSON, B. D., BAQUERO, F. and PITT, T. L. Comparison of serotype, biotype and bacteriocin type with rDNA RFLP patterns for the type identification of *Serratia marcescens*, 99  
 ALPERS, M. P. *see* POMAT, W. S.  
 ALPERS, M. P. *see* SMITH, T.  
 ALTIERI, S. *see* GRADONI, L.  
 AMYES, S. G. B. *see* SHANAHAN, P. M. A.  
 ANDERSON, E. C., FOGGIN, C., ATKINSON, M., SORENSEN, K. J., MADEKUROZVA, R. L. and NQINDI, J. The role of wild animals, other than buffalo, in the current epidemiology of foot-and-mouth disease in Zimbabwe, 559  
 ANGRICK, E. J. *see* DORN, C. R.  
 APPERLOO-RENKEMA, H. Z., JAGT, T. G., TONK, R. H. J. and VAN DER WAALJ, D. Healthy individuals possess circulating antibodies against their indigenous faecal microflora as well as against alloigenous faecal microflora: an immunomorphometrical study, 273  
 ATKINSON, M. *see* ANDERSON, E. C.  
 AUCKEN, H. M. *see* ALONSO, R.  
 AZZI, A., BARTOLOMEI-CORSI, O., ZAKRZEWSKA, K., CORCORAN, T., NEWMAN, R., ROBERTSON, J. S., YATES, P. and OXFORD, J. S. The haemagglutinins of influenza A (H1N1) viruses in the 'O' or 'D' phases exhibit biological and antigenic differences, 135
- BAILEY, R. L., KAJBAF, M., WHITTLE, H. C., WARD, M. E. and MABEY, D. C. W. The influence of local antichlamydial antibody on the acquisition and persistence of human ocular chlamydial infection: IgG antibodies are not protective, 315  
 BAKER, D. M., NGUYEN-VAN-TAM, J. S. and SMITH, S. J. Protective efficacy of BCG vaccine against leprosy in southern Malawi, 21  
 BAQUERO, F. *see* ALONSO, R.  
 BARTOLOMEI-CORSI, O. *see* AZZI, A.  
 BARUZZI, F. A. B. *see* BURATTINI, M. N.  
 BENTHAM, R. H. and BROADBENT, C. R. A model for autumn outbreaks of Legionnaires' disease associated with cooling towers, linked to system operation and size, 287  
 BINGHAM, P. *see* THORNTON, L.  
 BODE, G., MAUCH, F. and MALFERTHEINER, P. The coccoid forms of *Helicobacter pylori*. Criteria for their viability, 483  
 BOWMAN, R. A. *see* O'NEILL, G.  
 BRAACK, L. E. O. *see* BURT, F. J.  
 BROADBENT, C. R. *see* BENTHAM, R. H.  
 BURATTINI, M. N., MASSAD, E., COUTINHO, F. A. B. and BARUZZI, R. G. Malaria prevalence amongst Brazilian Indians assessed by a new mathematical model, 525  
 BURATTINI, M. N., MASSAD, E. and COUTINHO, F. A. B. Malaria transmission rates estimated from serological data, 503  
 BURT, F. J., SWANEPOEL, R. and BRAACK, L. E. O. Enzyme-linked immunosorbent assays for the detection of antibody to Crimean-Congo haemorrhagic fever virus in the sera of livestock and wild vertebrates, 547  
 BUTCHER, R. *see* CROWTHER, J. R.
- CADAVID, D. and RESTREPO, A. Factors associated with *Paracoccidioides brasiliensis* infection among permanent residents of three endemic areas in Colombia, 121  
 CHAPMAN, P. A., SIDDON, C. A., WRIGHT, D. J., NORMAN, P., FOX, J. and CRICK, E. Cattle as a possible source of verocytotoxin-producing *Escherichia coli* O157 infections in man, 439

- CHART, H., CONWAY, D. and ROWE, B. Outer membrane characteristics of *Salmonella enteritidis* phage type 4 growing in chickens. 449
- CHART, H. *see* THRELFALL, E. J.
- CHIWAKUL, M. *see* PONGSUWANNA, Y.
- CLIFTON-HADLEY, R. S., WILESMITH, J. W. and STUART, F. A. *Mycobacterium bovis* in the European badger (*Meles meles*): epidemiological findings in tuberculous badgers from a naturally infected population. 9
- COHEN, S. *see* TYRRELL, D. A. J.
- CONWAY, D. *see* CHART H.
- COOKSON, B. D. *see* ALONSO, R.
- COOKSON, J. B. *see* WISELKA, M. J.
- CORCORAN, T. *see* AZZI, A.
- COUTINHO, F. A. B. *see* BURATTINI, M. N.
- COUTURIER, M. *see* POHL, P.
- COWDEN, J. *see* SYNNOTT, M.
- CRICHTON, P. B., LOGAN, J. M. J. and OLD, D. C. A miniaturized biotyping system for strain discrimination in *Escherichia coli*. 81
- CRICK, E. *see* CHAPMAN, P. A.
- CROWTHER, J. R., ROWE, C. A. and BUTCHER, R. Characterization of monoclonal antibodies against a type SAT 2 foot-and-mouth disease virus. 391
- CUNY, C., SCHASSAN, H.-H. and WITTE, W. Outbreak of nosocomial infections with two different MRSA-strains involved: significance of genomic DN fragment patterns in strains otherwise difficult to type. 55
- DEDDENS, B. *see* JANSEN, G. J.
- DI MARTINO, L. *see* GRADONI, L.
- DORN, C. R., SILAPANUNTAKUL, R., ANGRICK, E. J. and SHIPMAN, L. D. Plasmid analysis of *Salmonella enteritidis* isolated from human gastroenteritis cases and from epidemiologically associated poultry flocks. 239
- DUBIEL, A. J. *see* WHITAKER, C. J.
- EDELSTEIN, P. H. and EDELSTEIN, M. A. C. Intracellular growth of *Legionella pneumophila* serogroup 1 monoclonal antibody type 2 positive and negative bacteria. 499
- FARRINGTON, C. P. *see* RAMSAY, M. E. B.
- FAYOS, A., OWEN, R. J., HERNANDEZ, J., JONES, C. and LASTOVICA, A. Molecular subtyping by genome and plasmid analysis of *Campylobacter jejuni* serogroups O1 and O2 (Penner) from sporadic and outbreak cases of human diarrhoea. 415
- FERRARA, M. *see* GRADONI, L.
- FOGGIN, C. *see* ANDERSON, E. C.
- FORBES, K. J. *see* KERR, G. R. D.
- FOX, J. *see* CHAPMAN, P. A.
- FURR, P. M. and TAYLOR-ROBINSON, D. *Mycoplasma pulmonis* infection of the murine oropharynx protects against subsequent vaginal colonization. 307
- GAETA, G. B. *see* GRADONI, L.
- GALPIN, O. P. *see* WHITAKER, C. J.
- GERNER-SMIDT, P. *see* NØRRUNG, B.
- GLUPCZYNSKI, Y. *see* POHL, P.
- GRADONI, L., PIZZUTI, R., DI MARTINO, L., GRAMICCIA, M., PEMPINELLO, R., GAETA, G. B., FERRARA, M., SCOTTI, S. and ALTIERI, S. The epidemiology and surveillance of visceral leishmaniasis in the Campania region of Italy. The value of zymodeme typing. 297
- GRAMICCIA, M. *see* GRADONI, L.
- GRATTEN, M. *see* SMITH, T.
- GRAY, S. *see* THORNTON, L.
- HAUGE, K. *see* KAPPERUD, G.
- HEMPHILL, M. L., ROTA, P. A., IVANOVA, V. T., SLEPUSHKIN, A. N. and KENDAL, A. P. Antigenic and genetic analysis of influenza type B viruses isolated in Russia, 1987-91. 539

- HERNANDEZ, J. *see* FAYOS, A.  
 HUMPHREY, T. J. and MARTIN, K. Bacteriophage as models for virus removal from Pacific oysters (*Crassostrea gigas*) during re-laying, 325  
 HUMPHREY, T. J. and WHITEHEAD, A. Egg age and the growth of *Salmonella enteritidis* PT4 in egg contents, 209  
 HUTCHINGS, P. *see* PATTERSON, T.  
 HUTCHINSON, D. N. *see* MORGAN, D.  
 HUTCHINSON, D. N. *see* THORNTON, L.
- IVANOVA, V. T. *see* HEMPHILL, M. L.
- JAGT, T. G. *see* APPERLOO-RENKEMA, H. Z.  
 JANSSEN, G. J., WILKINSON, M. H. F., DEDDENS, B. and VAN DER WAALJ, D. Characterization of human faecal flora by means of an improved fluoromorphometrical method, 265  
 JAYAVASU, C. *see* PONGSUWANNA, Y.  
 JONES, C. *see* FAYOS, A.
- KAJBAF, M. *see* BAILEY, R. L.  
 KAPPERUD, G., SKJERVE, E., VIK, L., HAUGE, K., LYSAKER, A., AALMEN, I., OSTROFF, S. M. and POTTER, M. Epidemiological investigation of risk factors for campylobacter colonization in Norwegian broiler flocks, 245  
 KATOULLI, M., SEUFFER, R. H., WOLLIN, R., KÜHN, I. and MÖLLBY, R. Variations in biochemical phenotypes and phage types of *Salmonella enteritidis* in Germany 1980–92, 199  
 KEEN, G. A. *see* MCINTYRE, J. P.  
 KENDAL, A. P. *see* HEMPHILL, M. L.  
 KENT, J. *see* WISELKA, M. J.  
 KERR, G. R. D., FORBES, K. J., WILLIAMS, A. and PENNINGTON, T. H. An analysis of the diversity of *Haemophilus parainfluenzae* in the adult human respiratory tract by genomic DNA fingerprinting, 89  
 KOIWAI, K. *see* UCHIMURA, M.  
 KOORNOF, H. J. *see* SHANAHAN, P. M. A.  
 KÜHN, I. *see* KATOULLI, M.
- LAMPE, E. *see* NOGUEIRA, R. M. R.  
 LASETOVICA, A. *see* FAYOS, A.  
 LAX, A. J. *see* MAHON, J.  
 LEHMANN, D. *see* POMAT, W. S.  
 LEHMANN, D. *see* SMITH, T.  
 LEICESTER, M. *see* SYNNOTT, M.  
 LINTERMANS, P. *see* POHL, P.  
 LLOYD, G. *see* PETHER, J. V. S.  
 LOGAN, J. M. J. *see* CRICHTON, P. B.  
 LYSAKER, A. *see* KAPPERUD, G.
- MAAROUF, A. R. *see* SELLERS, R. F.  
 MABEY, D. C. W. *see* BAILEY, R. L.  
 MCINTYRE, J. P. and KEEN, G. A. Laboratory surveillance of viral meningitis by examination of cerebrospinal fluid in Cape Town, 1981–9, 357  
 MADEKUROZVA, R. L. *see* ANDERSON, E. C.  
 MAGUIRE, H. *see* SYNNOTT, M.  
 MAHON, J. and LAX, A. J. A quantitative polymerase chain reaction method for the detection in avian faeces of salmonellas carrying the *spvR* gene, 455  
 MAJID, F. *see* MORGAN, D.  
 MAJID, F. *see* SYNNOTT, M.  
 MALFERTHEINER, P. *see* BODE, G.  
 MARIN, M. *see* POHL, P.  
 MARTIN, K. *see* HUMPHREY, T. J.  
 MASSAD, E. *see* BURATTINI, M. N.  
 MAUCH, F. *see* BODE, G.

- MIAGOSTOVICH, M. P. *see* NOGUEIRA, R. M. R.  
 MILLER, E. *see* RAMSAY, M. E. B.  
 MÖLLBY, R. *see* KATOULI, M.  
 MONTGOMERY, J. *see* POMAT, W. S.  
 MONTGOMERY, J. *see* SMITH, T.  
 MORGAN, D., NEWMAN, C. P., HUTCHINSON, D. N., WALKER, A. M., ROWE, B. and MAJID, F.  
     Verotoxin producing *Escherichia coli* O157 infections associated with the consumption of  
     yoghurt, 181  
 MORSE, D. L. *see* SYNNOTT, M.  
  
 NEWMAN, C. P. *see* MORGAN, D.  
 NEWMAN, R. *see* AZZI, A.  
 NEWTON, D. *see* THORNTON, L.  
 NGUYEN-VAN-TAM, J. S. and NICHOLSON, K. G. Influenza immunization: vaccine offer, request  
     and uptake in high-risk patients during the 1991/2 season, 347  
 NGUYEN-VAN-TAM, J. S. *see* BAKER, D. M.  
 NICHOLSON, K. G. *see* NGUYEN, J. S.  
 NICHOLSON, K. G. *see* WISELKA, M. J.  
 NOGUEIRA, R. M. R., MIAGOSTOVICH, M. P., LAMPE, E., SOUZA, R. W., ZAGNE, S. M. O. and  
     SCHATZMAYR, H. G. Dengue epidemic in the state of Rio de Janeiro, Brazil, 1990–1: co-  
     circulation of dengue 1 and dengue 2 serotypes, 163  
 NORMAN, P. *see* CHAPMAN, P. A.  
 NØRRUNG, B. and GERNER-SMIDT, P. Comparison of multilocus enzyme electrophoresis (MEE),  
     ribotyping, restriction enzyme analysis (REA) and phage typing for typing of *Listeria*  
     *monocytogenes*, 71  
 NQINDI, J. *see* ANDERSON, E. C.  
  
 OLD, D. C. *see* CRICHTON, P. B.  
 O'NEILL, G., ADAMS, J. E., BOWMAN, R. A. and RILEY, T. V. A molecular characterization of  
     *Clostridium difficile* isolates from humans, animals and their environment, 257  
 OSTROFF, S. M. *see* KAPPERUD, G.  
 OWEN, R. J. *see* FAYOS, A.  
 OXFORD, J. S. *see* AZZI, A.  
  
 PALMER, S. *see* PATTERSON, T.  
 PATTERSON, T., HUTCHINGS, P. and PALMER, S. Outbreak of SRSV gastroenteritis at an  
     international conference traced to food handled by a post-symptomatic caterer, 157  
 PEMPINELLO, R. *see* GRADONI, L.  
 PENNINGTON, T. H. *see* KERR, G. R. D.  
 PEREZ-DIAZ, J. C. *see* ALONSO, R.  
 PETHER, J. V. S. and LLOYD, G. The clinical spectrum of human hantavirus infection in  
     Somerset, UK, 171  
 PITT, T. L. *see* ALONSO, R.  
 PIZZUTI, R. *see* GRADONI, L.  
 PLUMMER, M. *see* SYNNOTT, M.  
 POHL, P., GLUPCZYNSKI, Y., MARIN, M., VAN ROBAEYS, G., LINTERMANS, P. and COUTURIER, M.  
     Replicon typing characterization of plasmids encoding resistance to gentamicin and  
     apramycin in *Escherichia coli* and *Salmonella typhimurium* isolated from human and animal  
     sources in Belgium, 229  
 POMAT, W. S., SMITH, T. A., SANDERS, R. C., WITT, C. S., MONTGOMERY, J., LEHMANN, D. and  
     ALPERS, M. P. Levels of anti-pneumococcal antibodies in young children in Papua New  
     Guinea, 109  
 PONGSUWANNA, Y., TANIGUCHI, K., WAKASUGI, F., SUTIVIJIT, Y., CHIWAKUL, M., WARACHIT,  
     P., JAYAVASU, C. and URASAWA, S. Distinct yearly change of serotype distribution of  
     human rotavirus in Thailand as determined by ELISA and PCR, 407  
 POTTER, M. *see* KAPPERUD, G.  
  
 RAMSAY, M. E. B., FARRINGTON, C. P. and MILLER, E. Age-specific efficacy of pertussis vaccine  
     during epidemic and non-epidemic periods, 41

- RESTREPO, A. *see* CADAVID, D.  
RILEY, I. D. *see* SMITH, T.  
RILEY, T. V. *see* O'NEILL, G.  
RITTER, E. *see* THURM, V.  
ROBERTSON, J. S. *see* AZZI, A.  
ROTA, P. A. *see* HEMPHILL, M. L.  
ROWE, B. *see* CHART, H.  
ROWE, B. *see* MORGAN, D.  
ROWE, B. *see* SCOTLAND, S. M.  
ROWE, B. *see* THORNTON, L.  
ROWE, B. *see* THRELFALL, E. J.  
ROWE, C. A. *see* CROWTHER, J. R.
- SAID, B. *see* SCOTLAND, S. M.  
SALMON, R. L. *see* THORNTON, L.  
SANDERS, R. C. *see* POMAT, W. S.  
SCHASSAN, H.-H. *see* CUNY, C.  
SCHATZMAYR, H. G. *see* NOGUEIRA, R. M. R.  
SCHLARB, J. E. *see* TYRRELL, D. A. J.  
SCOTTI, S. *see* GRADONI, L.  
SCOTLAND, S. M., WILLSHAW, G. A., SMITH, H. R., SAID, B., STOKES, N. and ROWE, B. Virulence properties of *Escherichia coli* strains belonging to serogroups O26, O55, O111 and O128 isolated in the United Kingdom in 1991 from patients with diarrhoea. 429  
SELLERS, R. F. and MAAROUF, A. R. Weather factors in the prediction of western equine encephalitis epidemics in Manitoba. 373  
SEUFFER, R. H. *see* KATOULI, M.  
SHANAHAN, P. M. A., WYLIE, B. A., ADRIAN, P. V., KOORNHOF, H. J., THOMSON, C. J. and AMYES, S. G. B. The prevalence of antimicrobial resistance in human faecal flora in South Africa. 221  
SHIPMAN, L. D. *see* DORN, C. R.  
SIDONS, C. A. *see* CHAPMAN, P. A.  
SILAPANUNTAKUL, R. *see* DORN, C. R.  
SKJERVE, E. *see* KAPPERUD, G.  
SLEPUSHKIN, A. N. *see* HEMPHILL, M. L.  
SMITH, H. R. *see* SCOTLAND, S. M.  
SMITH, S. J. *see* BAKER, D. M.  
SMITH, T., LEHMANN, D., MONTGOMERY, J., GRATTEN, M., RILEY, I. D. and ALPERS, M. P. Acquisition and invasiveness of different serotypes of *Streptococcus pneumoniae* in young children. 27  
SMITH, T. A. *see* POMAT, W. S.  
SORENSEN, K. J. *see* ANDERSON, E. C.  
SOUZA, R. W. *see* NOGUEIRA, R. M. R.  
STOKES, N. *see* SCOTLAND, S. M.  
STUART, F. A. *see* CLIFTON-HADLEY, R. S.  
SUTIVIJIT, Y. *see* PONGSUWANNA, Y.  
SWANEPOEL, R. *see* BURT, F. J.  
SYED, Q. U. *see* THORNTON, L.  
SYNNOTT, M., MORSE, D. L., MAGUIRE, H., MAJID, F., PLUMMER, M., LEICESTER, M., THRELFALL, E. J. and COWDEN, J. An outbreak of *Salmonella mikawasima* associated with doner kebabs. 473
- TANAKA, H. *see* UCHIMURA, M.  
TANIGUCHI, K. *see* PONGSUWANNA, Y.  
TAYLOR-ROBINSON, D. *see* FURR, P. M.  
THOMSON, C. J. *see* SHANAHAN, P. M. A.  
TONK, R. H. J. *see* APPERLOO-RENKEMA, H. Z.  
THORNTON, L., GRAY, S., BINGHAM, P., SALMON, R. L., HUTCHINSON, D. N., ROWE, B., NEWTON, D. and SYED, Q. U. The problems of tracing a geographically widespread

- outbreak of salmonellosis from a commonly eaten food: *Salmonella typhimurium* DT193 in North West England and North Wales in 1991. 465
- THRELFALL, E. J. and CHART, H. Special Article. Interrelationships between strains of *Salmonella enteritidis*. 1
- THRELFALL, E. J., ROWE, B. and WARD, L. R. A comparison of multiple drug resistance in salmonellas from humans and food animals in England and Wales. 1981 and 1990. 189
- THRELFALL, E. J. *see* SYNNOTT, M.
- THURM, V. and RITTER, E. Genetic diversity and clonal relationships of *Acinetobacter baumannii* strains isolated in a neonatal ward: epidemiological investigations by allozyme, whole-cell protein and antibiotic resistance analysis. 491
- TSURUOKA, Y. *see* UCHIMURA, M.
- TYRRELL, D. A. J., COHEN, S. and SCHLARB, J. E. Signs and symptoms in common colds. 143
- UCHIMURA, M., KOIWAI, K., TSURUOKA, Y. and TANAKA, H. High prevalence of thermostable direct hemolysin (TDH)-like toxin in *Vibrio mimicus* isolated from diarrhoeal patients. 49
- URASAWA, S. *see* PONGSUWANNA, Y.
- VAN ROBAEYS, G. *see* POHL, P.
- VAN DER WAAIJ, D. *see* APPERLOO-RENKEMA, H. Z.
- VAN DER WAAIJ, D. *see* JANSEN, G. J.
- VIK, L. *see* KAPPERUD, G.
- WAKASUGI, F. *see* PONGSUWANNA, Y.
- WALKER, A. M. *see* MORGAN, D.
- WARACHIT, P. *see* PONGSUWANNA, Y.
- WARD, M. E. *see* BAILEY, R. L.
- WARD, L. R. *see* THRELFALL, E. J.
- WILLIAMS, A. *see* KERR, G. R. D.
- WHITAKER, C. J., DUBIEL, A. J. and GALPIN, O. P. Social and geographical risk factors in *Helicobacter pylori* infection. 63
- WHITEHEAD, A. *see* HUMPHREY, T. J.
- WHITTLE, H. C. *see* BAILEY, R. L.
- WILESMITH, J. W. *see* CLIFTON-HADLEY, R. S.
- WITT, C. S. *see* POMAT, W. S.
- WILKINSON, M. H. F. *see* JANSEN, G. J.
- WILLSHAW, G. A. *see* SCOTLAND, S. M.
- WISELKA, M. J., KENT, J., COOKSON, J. B. and NICHOLSON, K. G. Impact of respiratory virus infection in patients with chronic chest disease. 337
- WHITE, W. *see* CUNY, C.
- WOLLIN, R. *see* KATOULI, M.
- WRIGHT, D. J. *see* CHAPMAN, P. A.
- WYLIE, B. A. *see* SHANAHAN, P. M. A.
- YATES, P. *see* AZZI, A.
- ZAGNE, S. M. O. *see* NOGUEIRA, R. M. R.
- ZAKRZEWSKA, K. *see* AZZI, A.