

**AROON R. MELWANI**  
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**EDUCATION**

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**Moss Landing Marine Laboratories**, Moss Landing, California, USA August 2004  
*Master of Science, Marine Science*

**University of Southampton**, Southampton Oceanography Center, Southampton, England July 1998  
*Bachelor of Science, Oceanography and Marine Biology*

**PROFESSIONAL EXPERIENCE**

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**Associate Scientist, San Francisco Estuary Institute**, Oakland, CA Sept 2004 - Present

- Data Analysis: statistical and empirical modeling techniques
- Publications: technical reports, journal publication, conference presentations
- Research topics include: studies of contaminants in sport fish and bio-sentinels, California sediment quality objectives, and development of benthic indicators for San Francisco Bay

**Research Technician, Monterey Bay Aquarium Research Institute**, Moss Landing, CA Jan – Sept 2003

- Taxonomic identification of deep-water benthic invertebrates and fish species

**Research Technician, Moss Landing Marine Laboratories**, Moss Landing, CA Sept 1999 – Sept 2004

- Fish surveying and collection (video census, trawling, seining, gill-netting)
- Research topics include: studies of invasive species distributions and faunal community patterns in marine and estuarine sediments

**TECHNICAL SKILLS**

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- Microsoft Databases and Spreadsheets: Word, Excel, Access, Adobe Professional, Dreamweaver, PowerPoint, Endnote
- Statistical analysis of data, including descriptive and multivariate approaches: MATLAB, SYSTAT, PRIMER, SAS, JMP, R, ArcGIS

**REPORTS AND PUBLICATIONS (Complete List Available By Request)**

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MELWANI, A.R., Bezalel, S.N., Hunt, J.A., Grenier, J.L., and Davis, J.A. 2009. The impact of legacy pesticide bioaccumulation on sport fish and aquatic life in California: a review of historic data, *Environmental Pollution*, *in review*

MELWANI, A.R., Bezalel, S.N., Hunt, J.A., Grenier, J.L., and Davis, J.A. 2009. Spatial and temporal trends in fish mercury concentrations from the Sacramento-San Joaquin Delta watershed, *Environmental Pollution*, *in review*

MELWANI, A.R., Greenfield, B.K. and Byron, E.R. 2009. Empirical estimation of biota exposure range for calculation of bioaccumulation parameters, *Integrated Environmental Assessment and Management*, vol. 5, p. 128-139

MELWANI, A.R. and Kim, S.L. 2008. Benthic infaunal distributions in shallow vent sediments, *Acta Oecologica (International Journal of Ecology)*, vol. 33, no. 2, p. 162-175

MELWANI, A.R., Greenfield, B.K., Oram, J.J., Sedlak, M., and Davis, J.A. 2008. Power analysis and optimization of the RMP Status and Trends Program, *SFEI Publication 555*, San Francisco Estuary Institute, Oakland, CA

**CONFERENCE PRESENTATIONS (Complete List Available By Request)**

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MELWANI, A.R., Bezalel, S.N., Hunt, J.A., and Davis, J.A. 2008. Spatial and temporal trends in fish mercury concentrations from the Sacramento-San Joaquin Delta watershed. CALFED Science Conference October 24<sup>th</sup>, Sacramento, CA.

MELWANI, A.R., Bezalel, S., Hunt, J.A., Grenier, J.L., Davis, J.A. Ichikawa, G. Jakl, B., Heim, W., Bonnema, A., and Gassel, M. 2007. Mercury Contamination of Sport Fish in the Bay-Delta Watershed: Results from the Second Year of the CBDA Fish Mercury Project, NorCal SETAC Conference, May 10<sup>th</sup>, Berkeley, CA.