

**Approved By:**



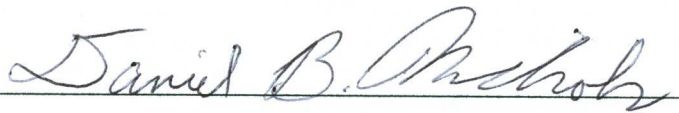
---

MENTOR  
Dr. Allan Blake



---

COMMITTEE MEMBER  
Dr. Constantine Bitsaktis



---

COMMITTEE MEMBER  
Dr. Daniel B. Nichols



---

DIRECTOR OF GRADUATE STUDIES  
Dr. Allan Blake



---

CHAIR PERSON, BIOLOGY DEPARTMENT  
Dr. Jane Ko