

פרופסור יהודית דורי

הפקולטה לחינוך למדע וטכנולוגיה

טכניון

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פרופ' מן המניין בטכניון וחוקרת בכירה במוסד נאמן למחקרי מדיוניות. חברת סגל בטכניון החל משנת 1991.

פרופ' דורי סיימה תואר ראשון בכימיה וביו-כימיה באוניברסיטה העברית בירושלים בשנת 1975, תעודת הוראה באוניברסיטת תל אביב ב-1978 ותואר שני במדעי החיים במכון ויצמן למדע ברחובות בשנת 1981. פרופ' דורי סיימה את לימודי הדוקטורט בהוראת המדעים במכון ויצמן למדע ברחובות בשנת 1988.

היא הייתה פרופ' אורחת וחוקרת אורחת ב-MIT בין השנים 2000 עד 2015 וכן בשנת 2020.

פרופ' דורי שמשה כדיקנית לימודי המשך ולימודי חוץ בשנים 2009-2013 וכדיקנית הפקולטה לחינוך למדע וטכנולוגיה בטכניון בשנים 2016-2020.

הינה חוקרת בממשק שבין טכנולוגיות וויזואליזציה, הוראת המדעים, ההנדסה והטכנולוגיה והערכה של מיומנויות חשיבה בדגש על קוגניציה, מטהקוגניציה והערכה לשם למידה. היא חוקרת השפעת שילוב למידה פעילה בסביבות עתירת טכנולוגיות ושיטות הערכה מגוונות על רמת ההבנה והתפיסות של מורים, פרחי הוראה, סטודנטים לתואר ראשון ותלמידי תיכון.

בשנים 2000-2005 הובילה פרופ' דורי את מחקר ההערכה של פרויקט המשלב סימולציות בהוראה ולמידה פעילה בחינוך הגבוה TEAL – Technology Enabled Active Learning ב-MIT.

בשנים 2008-2009 פרופ' דורי ערכה שתי חוברות בכתב העת *Journal of Science Education and Technology International*, הכוללות מאמרים הדנים ברפורמות החינוכיות החדשניות בשילוב טכנולוגיות בהשכלה הגבוהה ב-MIT. בשנת 2018 ערכה חוברת יחד עם עמיתה בכתב העת *Journal of Science Education International* בנושא למידת מדעים בהקשר (learning in context).

היא ערכה עם עמיתות שני ספרים עם בנושא קוגניציה ומטה-קוגניציה בהוראת מדעים והנדסה אשר פורסמו בהוצאת ספרינגר (2012, 2018).

בשנת 2020 פרופ' דורי זכתה בפרס היוקרתי על מפעל חיים של NARST – ארגון בינלאומי הפועל לשיפור הוראת המדעים באמצעות מחקר: *2020 Distinguished Contributions to Science: Education through Research Award*.

היא כתבה מעל 120 פירסומים מדעיים, כ-20 חוברות לימוד וספרות מיקצועית להשכלה הגבוהה ולתיכונים, הוזמנה להרצות בכנסים בינלאומיים ובאוניברסיטאות בעולם ובארץ והנחתה ועדין מנחה למעלה מ-80 מסטרנטים, דוקטורנטים ופוסט-דוקטורנטיות.

שלוש דוקטורנטיות ופוסט-דוקטורנטית אחת שהיא הנחתה בטכניון הן חברות סגל באוניברסיטאות בארץ, דוקטורנט אחד מרצה ב-MIT ועוד רבים משמשים כמרצים במכללות וסמינרים, בתפקידים בכירים במשרד החינוך ואחד הוא מנכ"ל מוזיאון טכנודע בחדרה.

פרופ' דורי זכתה במענקים תחרותיים ב-MIT ובאיחוד האירופאי וכן מענקים תחרותיים של האקדמיה הלאומית למדעים, המדען הראשי של משרד החינוך, קרן טראמפ וכן המרכז הארצי להוראת המדעים, מל"מ. היא משמשת ראש מרכז מור-טק החל משנת 2016.

היא כתבה כעשרים חוברות למידה ואוגדנים למורים ותלמידים בתחומי כימיה, מדע וטכנולוגיה לכל, טכנולוגיה והערכה.

רשימת פירסומים באנגלית:

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^{1 S} = graduate student of Y.J. Dori

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² SO= graduate student of a colleague of Y.J. Dori

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^{3 US}=undergraduate student whom Y.J. Dori mentored in a final project

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^{4P}= post-doctoral student of Y.J. Dori

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