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**Instructor**

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**PERSONAL**

|                       |                |
|-----------------------|----------------|
| <b>Date of Birth</b>  | 01-03-1985     |
| <b>Place of Birth</b> | Kalecik-Ankara |

**EDUCATION**

|           |                                                             |
|-----------|-------------------------------------------------------------|
| 2011-2017 | Atılım University, Manufacturing Engineering (MODES), Ph.D. |
| 2008-2011 | Atılım University, Manufacturing Engineering, M.S.          |
| 2002-2007 | Süleyman Demirel University, Mechanical Engineering, B.S.   |

**ACADEMIC POSITIONS**

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| <b>09/2017-</b>        | Instructor Dr., Department of Manufacturing Engineering, Atılım University, Turkey    |
| <b>10/2009-09/2017</b> | Research Asistant, Department of Manufacturing Engineering, Atılım University, Turkey |

**ADMINISTRATIVE DUTIES**

|                 |                                                                                |
|-----------------|--------------------------------------------------------------------------------|
| <b>10/2017-</b> | Vice Chair, Department of Manufacturing Engineering, Atılım University, Turkey |
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**RESEARCH INTERESTS**

|          |                                                                                                                                                                      |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> | Manufacturing Processes<br>Metal Forming<br>Tribology<br>Finite Element Simulations<br>Computer Aided Design<br>Computer Aided Manufacturing<br>Laminated Die Design |
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**PROFESSIONAL SERVICE**

|          |                                                                    |
|----------|--------------------------------------------------------------------|
| <b>1</b> | Asistant Editor, Journal of Mechanical Design and Production-MATİM |
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## PUBLICATIONS

|   |                                                                                                                                                                                                                                        |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | H. Kalkan, T. Hacaloglu, B. Kaftanoglu, Experimental Investigation of Friction in Deep Drawing, The International Journal of Advanced Manufacturing Technology, 2017, 1433-3015, 92, 9, 3311--3318.                                    |
| 2 | H. Kalkan, T. Hacaloglu, B. Kaftanoglu, Sac Sekillendirme Isleminde Sürtünmenin İncelenmesi, Makina Tasarım ve İmalat Dergisi, 2016, 1302-9487, 14, 2, 88-94.                                                                          |
| 3 | C. M. Sengönül, İ. Durgun, N. Dökmetas, H. Kalkan, B. Kaftanoglu, Bor Nitrür Kaplamanın, Kaynak Çapaklarının Metal Aparat Yüzeylerine Yapışma Davranışlarına Etkisi, Makina Tasarım ve İmalat Dergisi,, 2016, 1302-9487, 14, 1, 22-30. |

## PROJECTS

|   |                                                                            |
|---|----------------------------------------------------------------------------|
| 1 | Investigation of Friction in Sheet Metal Forming (Atu-Bap-A-1213-06)       |
| 2 | Development of Laminated Dies for Prototyping Manufacturing (Tubitak 1505) |

## CONFERENCE PRESENTATIONS

|   |                                                                                                                                                                                                                                                                                                                  |
|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | M. Şengönül, H. Kalkan, T. Akış, B. Bağcı, K. İnam, Ö. Öğretmen, A. Aydoğan, "Design and Manufacture of a Portable Roller Bender Machine for Bicycle Rims", The 18th International Conference on Machine Design And Production, July 3 - July 6 2018, Eskişehir, Turkey.                                         |
| 2 | M. Şengönül, H. Kalkan, Ö. Öğretmen, K. İnam, V.B. Oktay, U.T. Çubukçu, Y. Tunç, "Utilization of 3d Printing Technology for Model Forming in Investment Casting of Sn For Sculpture Applications As a Case Study", 3rd International Congress on 3rd Printing Technologies and Digital Industry, Antalya, Turkey |
| 3 | Y. Uğurlu, H. Kalkan, B. Baranoğlu, S. S. Erdönmez, İ. Durgun, "An Alternative Rapid Prototyping Tooling for Sheet Metal Products", 1st International Conference of Advanced Materials and Manufacturing Technologies (ICAMT'17) 25-27 October 2017, Safranbolu, Karabuk, Turkey, 117-121.                       |
| 4 | H. Kalkan, Y. Ugurlu, S. S. Erdönmez, B. Baranoglu, V. Çorumlu, B. Bilgin, C. Mermer, İ.Durgun, "Sheet Laminated Dies: An Alternative To Fast Prototyping In Forming of Sheet Metal Parts, The 17th International Conference on Machine Design And Production, July 12 - July 15, 2016, 399 - 411.               |

## CITATIONS

|                                                                 |   |
|-----------------------------------------------------------------|---|
| Sum of times cited without self-citations (ISI Web of Science): | 1 |
| H-index (ISI Web of Science):                                   | 1 |

## COURSES GIVEN

|   |                                       |
|---|---------------------------------------|
| 1 | MFGE108-Computer Aided Solid Modeling |
| 2 | MFGE403-Tool and Die Design           |
| 3 | ME316-Machine Elements                |