

International Meeting and Symposia Papers

A. Cuneyt Tas, Ph.D.

1. A. C. Tas, 13th Advances in Cement-based Materials, The American Ceramic Society, Columbia University, New York, NY, USA, June 14-16, 2023
2. A. C. Tas, "Monodisperse, Submicron Calcium Phosphate Sphere Synthesis in SBF Solution at 55°C," 2014 Innovations in Biomedical Materials meeting, ACerS (=The American Ceramic Society), July 30-August 1, 2014, Columbus, Ohio, USA, Oral & Poster Presentation.
3. A. C. Tas, "One-pot Synthesis of Monodisperse Nanospheres of Amorphous Calcium Phosphate in a Simple Biomineralization Medium," 38th International Conference & Exposition on Advanced Ceramics and Composites, ACerS, January 26-31, 2014, Daytona Beach, FL, USA, Invited Talk.
4. A. C. Tas, "Grade-1 Titanium soaked in a DMEM Solution at 37°C," 38th International Conference & Exposition on Advanced Ceramics and Composites, ACerS, January 26-31, 2014, Daytona Beach, FL, USA, Poster Presentation.
5. N. Temizel, G. Giriskan, and A. C. Tas, "New Synthetic Biomineralization Media for the In Vitro Testing of Synthetic Biomaterials," 37th International Conference & Exposition on Advanced Ceramics and Composites, ACerS, January 27-February 1, 2013, Daytona Beach, FL, USA, Oral Presentation.
6. A. C. Tas, "Calcium Metal to Synthesize Amorphous or Cryptocrystalline Calcium Phosphates," 37th International Conference & Exposition on Advanced Ceramics and Composites, ACerS, January 27-February 1, 2013, Daytona Beach, FL, USA, Invited Talk.
7. M. A. Miller, M. R. Kendall, M. K. Jain, P. R. Larson, A. S. Madden, and A. C. Tas, "Maturation of Brushite and Preparation of Brushite Micro-granules," 37th International Conference & Exposition on Advanced Ceramics and Composites, ACerS, January 27-February 1, 2013, Daytona Beach, FL, USA, Oral Presentation.
8. A. C. Tas, "Use of Biomineralization Media in Biomimetic Synthesis of Bone Substitutes," Ceramics in Biology, Medicine, and Human Health: Symposium 23: Advances in Biomineralized Ceramics, Bioceramics, and Bioinspired Designs: Biomimetic Synthesis of Ceramics and Composites, 10th Pacific Rim Conference on Ceramic and Glass Technology, ACerS, June 2 – 7, 2013, Coronado, San Diego, California, USA, Invited Talk.
9. A. C. Tas, "Brushite and Octacalcium Phosphate Granules from Marble," 36th International Conf. & Expo. on Advanced Ceramics and Composites, ACerS, January 22-27, 2012, Daytona Beach, FL, USA, Invited Talk.
10. A. C. Tas, "Methods to Incorporate Ions at ppm Level into Biomaterials," Biomaterials for Healthcare, 8th Jacob Project Meeting, May 18, 2012, Bologna, Italy, Invited Talk.
11. I. Mert, S. Mandel, and A. C. Tas, "Do Cell Culture Solutions Transform Brushite into Octacalcium Phosphate?," 35th International Conference on Advanced Ceramics

and Composites, ACerS, January 24-January 28, 2011, Daytona Beach, FL, USA, Invited Talk.

12. A. Pasinli, M. Yuksel, E. Celik, S. Sener, and A. C. Tas, "A Newly Formulated Lactic Acid and Na-lactate-buffered Body Fluid Solution for the Biomimetic Coating of Titanium Alloy Surfaces with Calcium Phosphate," 35th International Conference on Advanced Ceramics and Composites, ACerS, January 24-January 28, 2011, Daytona Beach, FL, USA, Poster Presentation.

13. I. Mert, S. Mandel and A. C. Tas, "Biomimetic Transformation of Brushite to Octacalcium Phosphate at 37°C," 13th Meeting on Ceramics, Cells and Tissues, May 17-May 20, 2011, Faenza, Italy, Poster Presentation.

14. A. Pasinli, M. Yuksel, E. Celik, and A. C. Tas, "A New SBF Solution Perfectly Matching the Ion Concentrations of Blood Plasma Prepared without using Tris or Hepes," 13th Meeting on Ceramics, Cells and Tissues, May 17-May 20, 2011, Faenza, Italy, Oral Presentation.

15. N. Temizel, G. Giriskan, and A. C. Tas, "Accelerated Transformation of Brushite to Octacalcium Phosphate in New Biomineralization Media between 36.5° and 80°C," Materials Science & Technology 2011 (MS&T'11 - ACerS), October 16-October 20, 2011, Columbus, OH, USA, Invited Talk.

16. A. C. Tas, "Nano-textured Monetite (CaHPO₄): Powder Synthesis and Cell Culture," 34th International Conference on Advanced Ceramics and Composites, ACerS, January 23-January 29, 2010, Daytona Beach, FL, USA, Invited Talk.

17. A. C. Tas, "Rapid Biomimetic Calcium Phosphate Coating of Metals, Ceramics and Biopolymers at Room Temperature," 34th International Conference on Advanced Ceramics and Composites, ACerS, January 23-January 29, 2010, Daytona Beach, FL, USA, Oral Presentation.

18. A. C. Tas, "Calcium Phosphate Biomaterials in Orthopaedic and Dental Applications," 2nd Workshop on Size-dependent Effects in Materials for Environmental Protection and Energy Applications, September 19-21, 2010, Nessebar, Bulgaria, Keynote Lecture.

19. O. Hindistan, I. Mert, S. Mandel, and A. C. Tas, "A New Particle Morphology for the Brushite (CaHPO₄×2H₂O) Powders used in Orthopedic Cements," 15th Biomedical Engineering National Meeting, BIYOMUT-2010, April 21-24, 2010, Antalya, Turkey, Oral Presentation.

20. M. Bicakci and A. C. Tas, "Preparation of Biphasic Brushite-Apatite Orthopedic Cement Powders by Chemical Precipitation," 15th Biomedical Engineering National Meeting, BIYOMUT-2010, April 21-24, 2010, Antalya, Turkey, Oral Presentation.

21. G. Giriskan and A. C. Tas, "Development of Biomineralization Solutions to Facilitate the Transformation of Brushite (CaHPO₄×2H₂O) into Octacalcium Phosphate (Ca₈(HPO₄)₂(PO₄)₄×5H₂O)," 15th Biomedical Engineering National Meeting, BIYOMUT-2010, April 21-24, 2010, Antalya, Turkey, Oral Presentation.

22. G. Kurtulus and A. C. Tas, "Synthesis, Thermal Stability and Hydrothermal Transformation of One of the Urinary Tract Stones; Struvite ($\text{MgNH}_4\text{PO}_4 \times 6\text{H}_2\text{O}$)," 15th Biomedical Engineering National Meeting, BIYOMUT-2010, April 21-24, 2010, Antalya, Turkey, Poster Presentation.
23. A. C. Tas, "Vaterite- and Aragonite-based Biomaterials: Micropills and Nanorods," 33rd International Conference on Advanced Ceramics and Composites, ACerS, January 18-January 23, 2009, Daytona Beach, FL, USA, Invited Talk.
24. A. C. Tas, "CaCO₃ Micropills forming at 70°C in Gelatin-Urea Solutions," 12th Meeting on Ceramics, Cells and Tissues, May 19-23, 2009, Faenza, Italy, Oral Presentation.
25. A. C. Tas, "CaHPO₄ (Monetite) Cement and Its in vitro Cell Culture Studies," 12th Meeting on Ceramics, Cells and Tissues, May 19-23, 2009, Faenza, Italy, Oral Presentation.
26. A. C. Tas, "Formation of Calcium Phosphate Whiskers in Hydrogen Peroxide (H₂O₂) Solutions at 90°C," 32nd International Conference on Advanced Ceramics and Composites, ACerS, January 27-February 1, 2008, Daytona Beach, FL, USA, Oral Presentation
27. A. C. Tas, "New Rhenanite ($\beta\text{-NaCaPO}_4$) and Hydroxyapatite Biphasic Biomaterial for Skeletal Repair," 32nd International Conference on Advanced Ceramics and Composites, ACerS, January 27-February 1, 2008, Daytona Beach, FL, USA, Invited Talk.
28. A. C. Tas, "Use of Vaterite and Calcite in Forming Calcium Phosphate Cement Scaffolds ," 31th International Conference on Advanced Ceramics and Composites, ACerS, January 21-27, 2007, Daytona Beach, FL, USA, Invited Talk.
29. A. C. Tas, "From Body Fluids to High Surface Area Calcium Phosphates: Biomimetic Synthesis at 37°C and pH 7.4," 10th International Conference and Exhibition of the European Ceramic Society, June 17-21, 2007, Berlin, Germany, Invited Talk.
30. A. Pasinli, M. Yuksel, and A. C. Tas, "In Vivo Investigation of Ti6Al4V Substrates Coated Biomimetically with a Lactic acid and Lactate-pH-regulated SBF Solutions," 10th International Conference and Exhibition of the European Ceramic Society, June 17-21, 2007, Berlin, Germany, Oral Presentation.
31. A. C. Tas, "Formation of Calcium Phosphate Nanomaterials (1 to 35 nm) in Synthetic Blood Plasma Solutions," Nano III-TR, Nanoscience and Nanotechnology Conference, Ankara, June 11-14, 2007, Ankara, Turkey, Invited Talk.
32. T. R. Desai, S. B. Bhaduri, and A. C. Tas, "A Self-setting, CaHPO₄ Cement for Bone Defect Filling," 30th International Conference on Advanced Ceramics and Composites, ACerS, January 23-27, 2006, Cocoa Beach, FL, USA, Invited Talk.

33. S. Jalota, S. B. Bhaduri, and A. C. Tas, "Osteoblast Response to Zn-Doped, Sintered Beta-Tricalcium Phosphate," 30th International Conference on Advanced Ceramics and Composites, ACerS, January 23-27, 2006, Cocoa Beach, FL, USA, Invited Talk.
34. T. R. Desai, S. B. Bhaduri, and A. C. Tas, "In Vitro Cell Culture of a Novel Self-setting CaHPO₄ Cement," 30th International Conference on Advanced Ceramics and Composites, ACerS, January 23-27, 2006, Cocoa Beach, FL, USA, Poster Presentation.
35. A. C. Tas, "Preparation of Self-setting Cement-based Micro- and Macroporous Granules of Carbonated Apatitic Calcium Phosphate," 30th International Conference on Advanced Ceramics and Composites, ACerS, January 23-27, 2006, Cocoa Beach, FL, USA, Invited Talk.
36. S. Jalota, S. B. Bhaduri, and A. C. Tas, "Synthesis and In Vitro Cell Culture of Zn-Doped Calcium Phosphates," 16th Interdisciplinary Research Conference on Biomaterials – GRIBOI 2006, March 16-18, 2006, Bern, Switzerland, Poster Presentation.
37. T. R. Desai, Sarit B. Bhaduri, and A. C. Tas, "Development of a New CaHPO₄ (Monetite) Self-setting Cement," 2006 Annual Meeting, Society for Biomaterials, April 26-29, 2006, Pittsburgh, USA, Oral Presentation.
38. A. C. Tas, "Fast-setting Orthopedic Cement Formulations based on Single-phase CaCO₃ Powders," 10th Annual Meeting on Ceramics, Cells and Tissues, May 23-27, 2006, Faenza, Italy, Invited Lecture.
39. A. C. Tas, "Conversion of Chemically-synthesized Brushite [CaHPO₄·2H₂O] into Zn-doped β-Tricalcium Phosphate to Promote Osteoblast Proliferation," 10th Annual Meeting on Ceramics, Cells and Tissues, May 23-27, 2006, Faenza, Italy, Invited Lecture.
40. A. C. Tas, "Nanosize Calcium Phosphate Biomaterials can be Synthesized in Synthetic Body Fluids at 37°C and pH 7.4," International Symposium on Biomedical Engineering, ISOBME, Taipei, Taiwan, December 14-16, 2006, Plenary Lecture.
41. B. Kokuoz, A. C. Tas, and S. B. Bhaduri, "Coating of Al₂O₃ or ZrO₂ with Calcium Phosphates," 29th International Cocoa Beach Conference on Advanced Ceramics and Composites, ACerS, January 23-28, 2005, Florida, USA, Oral Presentation.
42. J. N. Swaintek, C. H. Han, A. C. Tas, and S. B. Bhaduri, "Resorbable, Self-setting Orthopedic Cement Compositions based on CaHPO₄ Additions to CaSO₄·1/2H₂O," 29th International Cocoa Beach Conference on Advanced Ceramics and Composites, ACerS, 23-28 January, 2005, Florida, USA, Oral Presentation.
43. A. C. Tas and S. B. Bhaduri, "Crystallization of Bonelike Calcium Phosphate Hydrogels," 29th International Cocoa Beach Conference on Advanced Ceramics and Composites, ACerS, 23-28 January, 2005, Florida, USA, Poster Presentation.
44. S. Jalota, A. C. Tas, and S. B. Bhaduri, "SBF Solutions having Different HCO₃⁻ Ion Concentrations and pH-buffering Agents Act Differently in Coating Ti6Al4V

Substrates,” 29th International Cocoa Beach Conference on Advanced Ceramics and Composites, ACerS, 23-28 January, 2005, Florida, USA, Oral Presentation.

45. A. C. Tas, “Calcium Phosphate-based Biomaterials: A Journey from Human Plasma to Bone Substitutes,” 2nd Max Bergmann Symposium, February 17-18, 2005, Dresden, Germany, Invited Lecture.

46. S. Jalota, S. B. Bhaduri, and A. C. Tas, “In Vitro Evaluation of Osteoblast Proliferation on Zinc-doped β -Tricalcium Phosphate,” Next Generation Biomaterials Symposium, Materials Science & Technology-2005 Conference, ACerS, September 25-28, 2005, Pittsburgh, PA, USA, Invited Talk.

47. S. Jalota, S. B. Bhaduri, and A. C. Tas, “Biomimetic Coating of Titanium Surfaces with Carbonated and Apatitic Calcium Phosphates,” Next Generation Biomaterials Symposium, Materials Science & Technology 2005 Conference, ACerS, September 25-28, 2005, Pittsburgh, PA, USA, Invited Talk.

48. T. R. Desai, S. B. Bhaduri, and A. C. Tas, “A Novel CaHPO_4 -based Self-setting Orthopedic Cement,” Next Generation Biomaterials Symposium, Materials Science & Technology 2005 Conference, ACerS, September 25-28, 2005, Pittsburgh, PA, USA, Invited Talk.

49. A. C. Tas, “The use of synthetic physiological solutions in producing biomimetic, apatitic calcium phosphates,” CICECO – Aveiro Institute of Materials, October 25-27, 2005, Aveiro, Portugal, Invited Talk.

50. A. C. Tas, “Chemical conversion of high crystallinity hydroxyapatite whiskers into poor crystallinity apatitic calcium phosphate whiskers and their *in vitro* cell culture testing,” Max-Planck-Institut für Metallforschung, October 29-30, 2005, Stuttgart, Germany, Invited Talk.

51. S. B. Bhaduri and A. C. Tas, “Chemical Synthesis of Brushite Powders and Their Thermal Conversion into $\text{Ca}_2\text{P}_2\text{O}_7$,” 28th International Cocoa Beach Conference on Advanced Ceramics and Composites, ACerS, January 25-30, 2004, Florida, USA, Oral Presentation.

52. S. Jalota, S. B. Bhaduri, and A. C. Tas, “Microwave-Assisted Auto Ignition of Calcium Hydroxyapatite Powders,” 28th International Cocoa Beach Conference on Advanced Ceramics and Composites, ACerS, 25-30 January, 2004, Florida, USA, Oral Presentation.

53. S. Jalota, S. B. Bhaduri, and A. C. Tas, “Low-temperature Synthesis of HA-seeded TTCP ($\text{Ca}_4(\text{PO}_4)_2\text{O}$) Powders and Their In Vitro Apatite-inducing Ability at 37°C and pH 7.4,” 106th Annual Meeting of The American Ceramic Society, Indianapolis, IN, USA, April 2004, Oral Presentation.

54. S. Jalota, S. B. Bhaduri, and A. C. Tas, “Comparison of the Apatite-inducing Ability of Three Different SBF Solutions on $\text{Ti}_6\text{Al}_4\text{V}$,” 9th Annual Meeting on Ceramics, Cells and Tissues, September 28 – Oct. 1, 2004, Faenza, Italy, Oral Presentation.

55. S. Jalota, S. B. Bhaduri, and A. C. Tas, "In vitro Testing of Novel Calcium Phosphate Nanowhiskers Prepared by a Microwave-assisted Molten Salt Process," 9th Annual Meeting on Ceramics, Cells and Tissues, September 28 – Oct. 1, 2004, Faenza, Italy, Oral Presentation.
56. A. C. Tas and S. B. Bhaduri, "Rapid Coating of Ti6Al4V at Room Temperature with a Calcium Phosphate Solution Similar to 10x SBF," 9th Annual Meeting on Ceramics, Cells and Tissues, September 28 – Oct. 1, 2004, Faenza, Italy, Oral Presentation.
57. A. C. Tas, "Bone Substitutes in the Bone Remodeling Process: Influence of Materials Chemistry and Porosity," 105th Annual Meeting of The American Ceramic Society, April 27-30, 2003, Nashville, Tennessee, USA, Oral Presentation.
58. A. C. Tas, "Preparation of Porous Bioceramics by a Simple PVA-Processing Route," 8th Annual Meeting of the European Ceramic Society, June 29-July 3, 2003, Istanbul, Turkey, Poster Presentation.
59. A. C. Tas, "Synthesis of Ca-Hydroxyapatite Bioceramic Whiskers," 3rd Materials Congress 2002, Institute of Materials, April 9-11, 2002, London, United Kingdom, Poster Presentation.
60. A. C. Tas, P. J. Majewski, and F. Aldinger, "Chemical Synthesis of Crystalline, Pure or Mn-Doped ZnGa₂O₄ Nanopowders at 90°C," 104th Annual Meeting of The American Ceramic Society, April 28-May 1, 2002, St. Louis, MO, USA, Oral Presentation.
61. A. C. Tas and F. Aldinger, "Formation of Various Calcium Phosphate Bioceramics in Phosphate Buffer Solutions at Room Temperature," 104th Annual Meeting of The American Ceramic Society, April 28-May 1, 2002, St. Louis, MO, USA, Oral Presentation.
62. A. C. Tas, H. J. Pfefferle, and B. Nies, "Preparation of Gelatin-Calcium Phosphate Cement Composites," 104th Annual Meeting of The American Ceramic Society, April 28-May 1, 2002, St. Louis, MO, USA, Oral Presentation.
63. A. C. Tas, "Recent Advances in Sol-Gel Powder Synthesis," CIMTEC 2002, 10th International Ceramics Congress, Florence, Italy, July 14-19, 2002, Solicited Lecture.
64. A. C. Tas, "Synthesis of Calcium Phosphate Bioceramics from Citrate Gels and Their Use in Self-Hardening Cement Formulations," 103rd Annual Meeting of The American Ceramic Society, April 22-25, 2001, Indianapolis, IN, USA, Oral Presentation.
65. A. C. Tas, P. J. Majewski, and F. Aldinger, "Synthesis of Gallium Oxide Hydroxide Crystals in Aqueous Solutions with or without Urea and Their Calcination Behavior," 103rd Annual Meeting of Am. Ceram. Soc., April 22-25, 2001, IN, USA, Poster Presentation.
66. D. Bayraktar and A. C. Tas, "Biomimetic Preparation of Hydroxyapatite Powders at 37°C in Urea- and Enzyme Urease-containing Synthetic Body Fluids," 5th Ceramics

Congress, October 3-5, 2001, Istanbul, Turkey, Oral Presentation (Turkish Ceramic Society Publ. No: 21, Congress Proceed. Book, pp. 384-389, ISBN 975-94814-4-X).

67. A. C. Tas, "Combustion Synthesis of Calcium Phosphate Bioceramic Powders," 5th Ceramics Congress, October 3-5, 2001, Istanbul, Turkey, Oral Presentation (Turkish Ceramic Society Publ. No: 21, Congress Proc. Book, pp. 378-383, ISBN 975-94814-4-X).

68. A. C. Tas, P. J. Majewski, and F. Aldinger, "Chemical Preparation of Pure and Sr- and/or Mg-Doped Lanthanum Gallate Solid Oxide Fuel Cell Powders," 5th Ceramics Congress, October 3-5, 2001, Istanbul, Turkey, Oral Presentation (Turkish Ceramic Society Publ. No: 21, Congress Proceed. Book, pp. 365-370, ISBN 975-94814-4-X).

69. A. C. Tas, "Molten Salt Synthesis of Calcium Hydroxyapatite Whiskers," 5th Ceramics Congress, October 3-5, 2001, Istanbul, Turkey, Poster Presentation (Turkish Ceramic Society Publ. No: 21, Congress Proceed. Book, pp. 372-377, ISBN 975-94814-4-X).

70. A. C. Tas, P. J. Majewski, and F. Aldinger, "Preparation of Solid Oxide Fuel Cell Powders via Precipitation in the Presence of Urea and/or Enzyme Urease," 5th Ceramics Congress, October 3-5, 2001, Istanbul, Turkey, Poster Presentation (Turkish Ceramic Society Publ. No: 21, Congress Proceed. Book, pp. 359-364, ISBN 975-94814-4-X).

71. A. C. Tas, P. J. Majewski, and F. Aldinger, "Synthesis of Gallium Oxide Hydroxide Crystals in Aqueous Solutions and Their Calcination Behavior," 5th Ceramics Congress, October 3-5, 2001, Istanbul, Turkey, Poster Presentation (Turkish Ceramic Society Publ. No: 21, Congress Proceed. Book, pp. 54-60, ISBN 975-94814-4-X).

72. A. C. Tas, P. J. Majewski, and F. Aldinger, "Chemical Synthesis of Crystalline, Pure or Mn-Doped ZnGa₂O₄ Nanopowders at 90°C," 5th Ceramics Congress, October 3-5, 2001, Istanbul, Turkey, Oral Presentation (Turkish Ceramic Society Publ. No: 21, Congress Proceed. Book, pp. 46-53, ISBN 975-94814-4-X).

73. A. C. Tas, "Synthesis of Ca-Hydroxyapatite Bioceramic Whiskers," BIOMED-8, 8th Biomedical Science and Technology Symposium, September 5-8, 2001, Ankara, Turkey, Oral Presentation.

74. A. C. Tas, "Combustion Synthesis of Calcium Phosphate Powders," BIOMED-8, 8th Biomedical Science and Technology Symposium, September 5-8, 2001, Ankara, Turkey, Poster Presentation.

75. A. C. Tas, "Molten Salt Synthesis of Calcium Hydroxyapatite Whiskers," 102nd Annual Meeting of The American Ceramic Society, April 30-May 3, 2000, St. Louis, MO, USA, Oral Presentation.

76. A. C. Tas, P. J. Majewski, and F. Aldinger, "Preparation of Sr- and Zn-Doped LaGaO₃ Powders by Precipitation in the Presence of Urea and/or Enzyme Urease," 102nd Annual Meeting of The American Ceramic Society, April 30-May 3, 2000, St. Louis, MO, USA, Oral Presentation.

77. A. C. Tas, "Combustion Synthesis of Calcium Hydroxyapatite Powders," 101st Annual Meeting of The American Ceramic Society, April 25-28, 1999, Indianapolis, Indiana, USA, Oral Presentation.
78. D. Bayraktar and A. C. Tas, "Preparation of Carbonated Calcium Hydroxyapatite Powders at 37°C in Urea- or Urease-containing Synthetic Body Fluids," 101st Annual Meeting of The American Ceramic Society, April 25-28, 1999, Indianapolis, Indiana, USA, Oral Presentation.
79. I. E. Gonenli and A. C. Tas, "Chemical Synthesis of Pure and Gd-Doped CaZrO₃ Powders," 101st Annual Meeting of The American Ceramic Society, April 25-28, 1999, Indianapolis, Indiana, USA, Poster Presentation.
80. D. Bayraktar and A. C. Tas, "Biomimetic Synthesis of HA Precursors in Urea- and Enzyme Urease-containing Synthetic Body Fluids," 1999 Fall Meeting, Symposium DD, Materials Research Society, November 29, 1999, Boston, MA, USA, Poster Presentation.
81. B. Mavis and A. C. Tas, "Dip-coating of Calcium Hydroxyapatite on Titanium Alloy or Stainless Steel Substrates," 1999 Fall Meeting, Symposium DD, Materials Research Society, November 29, 1999, Boston, MA, USA, Poster Presentation.
82. H. Schluckwerder, A. C. Tas, P. J. Majewski, and F. Aldinger, "Chemical Synthesis of Doped LaGaO₃ Powders by the Amorphous Citrate/EG Method," 1999 Fall Meeting, Symposium NN, Materials Research Society, November 29-December 3, 1999, Boston, MA, USA, Oral Presentation.
83. O. Yigiterhan and A. C. Tas, "Manufacture of Thin Plaques of Calcium Hydroxyapatite Bioceramics by Tape-Casting and Uniaxial Die-Pressing," 100th Annual Meeting of the American Ceramic Society, May 3-6, 1998, Cincinnati, OH, USA, Oral Presentation.
84. N. O. Engin and A. C. Tas, "Production of Macro-Porous Calcium Hydroxyapatite Bioceramics," 100th Annual Meeting of the American Ceramic Society, May 3-6, 1998, Cincinnati, OH, USA, Oral Presentation.
85. B. Mavis and A. C. Tas, "Dip-Coating of Calcium Hydroxyapatite Bioceramics on Titanium or Stainless Steel Strips," 100th Annual Meeting of the American Ceramic Society, May 3-6, 1998, Cincinnati, OH, USA, Oral Presentation.
86. E. E. Oren and A. C. Tas, "Preparation of Pb(Zr_{0.52}Ti_{0.48})O₃ Powders by Homogeneous Precipitation and Calcination," 100th Annual Meeting of the American Ceramic Society, May 3-6, 1998, Cincinnati, OH, USA, Oral Presentation.
87. E. E. Oren and A. C. Tas, "Hydrothermal Synthesis of Dy (0.8 at%) Doped-BaTiO₃ Powders at 90°C, Their Sintering Behavior, and Microstructures of Dy:BaTiO₃ Powders Heated on Ti- Strips," 100th Annual Meeting of the American Ceramic Society, May 3-6, 1998, Cincinnati, OH, USA, Oral Presentation.

88. A. C. Tas, "Advances in Metallic and Ceramic Implants," (Invited Talk), European Association of Neurosurgical Societies, Winter Meeting, February 18-21, 1998, Istanbul, Turkey.
89. A. C. Tas, "Chemical Preparation of High Temperature Oxide Powders," New Developments in High Temperature Ceramics Conference (Sponsored by Office of Naval Research (USA), Air Force Office of Scientific Research (AFOSR), and NASA Lewis Research Center), August 12-15, 1998, Istanbul, Turkey, Invited Talk.
90. I. E. Gonenli and A. C. Tas, "Chemical Synthesis of Pure and Gd-doped CaZrO₃," New Developments in High Temperature Ceramics Conference (Sponsored by Office of Naval Research (USA), Air Force Office of Scientific Research (AFOSR), and NASA Lewis Research Center), August 12-15, 1998, Istanbul, Turkey, Poster Presentation.
91. D. Bayraktar and A. C. Tas, "Chemical Preparation of Carbonated Calcium Hydroxyapatite Powders at 37°C in Urea-containing Body Fluids," New Developments in High Temperature Ceramics Conference (Sponsored by Office of Naval Research (USA), AFOSR, and NASA, August 12-15, 1998, Istanbul, Turkey, Poster Presentation.
92. N. O. Engin and A. C. Tas, "Manufacture of Macroporous Ca-Hydroxyapatite Bioceramics," New Developments in High Temperature Ceramics Conference (Sponsored by Office of Naval Research (USA), Air Force Office of Scientific Research (AFOSR), and NASA Lewis Research Center), August 12-15, 1998, Istanbul, Turkey, Poster Presentation.
93. A. C. Tas, "Chemical Preparation of High Temperature Oxide Powders," Hanoi Technical University, August 29, 1998, Hanoi, Vietnam, Invited Talk
94. E. E. Oren and A. C. Tas, "Hydrothermal Synthesis of Dy (0.8 at%)-doped: BaTiO₃ Powders at 90°C, Their Sintering Behavior, and Microstructures of Dy:BaTiO₃ Powders Heated on Ti-Strips," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Oral Presentation.
95. A. Sehirlioglu and A. C. Tas, "Production of the Self-setting Pastes of Calcium Hydroxyapatite Bioceramics," 4th Ceramics Congress, September 1998, Eskisehir, Turkey, Poster Presentation.
96. O. Yigiterhan and A. C. Tas, "Manufacture of Thin Plaques of Calcium Hydroxyapatite Bioceramics by Die-Pressing and Tape-Casting," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Oral Presentation.
97. N. O. Engin and A. C. Tas, "Production of Macro-porous Calcium Hydroxyapatite Bioceramics," 4th Ceramics Congress, September 1998, Eskisehir, Turkey, Poster Presentation.
98. A. B. Kayihan, B. Mavis and A. C. Tas, "Dip Coating of Calcium Hydroxyapatite Bioceramics on Titanium or Stainless Steel Strips," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Poster Presentation.

99. V. Atakan and A. C. Tas, "Nitridation Behavior of Sub-micron, Monodisperse SiO₂ Spheres Heated in a Nitrogen Atmosphere," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Poster Presentation.
100. I. E. Gonenli and A. C. Tas, "Chemical Synthesis of Pure and Rare Earth (Gd)-Doped CaZrO₃ Powders Used for Gas-sensing Applications," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Oral Presentation.
101. I. E. Gonenli and A. C. Tas, "Chemical Synthesis of (Ni_{0.5}Zn_{0.5})Fe₂O₄ Powders," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Poster Presentation.
102. A. C. Tas, "Chemical Synthesis of Calcium Hydroxyapatite Bioceramic Powders at 37°C and pH of 7.4 in Synthetic Body Fluids," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Oral Presentation.
103. A. C. Tas, "*In Situ* Coating of Calcium Hydroxyapatite on Titanium or Stainless Steel Surfaces at 37°C in Synthetic Body Fluids," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Poster Presentation.
104. E. E. Oren and A. C. Tas, "Preparation of Pb(Zr_{0.52}Ti_{0.48})O₃ by Homogeneous Precipitation and Calcination," 4th Ceramics Congress, September 22-25, 1998, Eskisehir, Turkey, Oral Presentation.
105. A. C. Tas, "Calcium Phosphate-based Bioceramic Prostheses Materials," 1st National Mechanics of Materials Symposium, Istanbul, Turkey, June 25-26, 1998, Oral Presentation.
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"Skill is the unified force of experience, intellect and passion in their operation."
John Ruskin (1819-1900)